



*Ventura Countywide
Stormwater Quality
Management Program*

2016-2017
Permit Year

Ventura Countywide Stormwater Quality Management Program Annual Report

Attachment D Monitoring Appendices A - L



December 15, 2017

Camarillo
County of Ventura
Fillmore
Moorpark
Ojai
Oxnard
Port Hueneme
Santa Paula
Simi Valley
Thousand Oaks
Ventura
Ventura County Watershed Protection District

Appendix A: Major Outfall Station Fact Sheets

Camarillo

Waterbody: Camarillo Hills Drain (tributary to Revolon Slough)

Location: Daily Rd. overcrossing (34°13'10.00"N, 119° 3'58.06"W)

Pros: Likely well-defined rating table

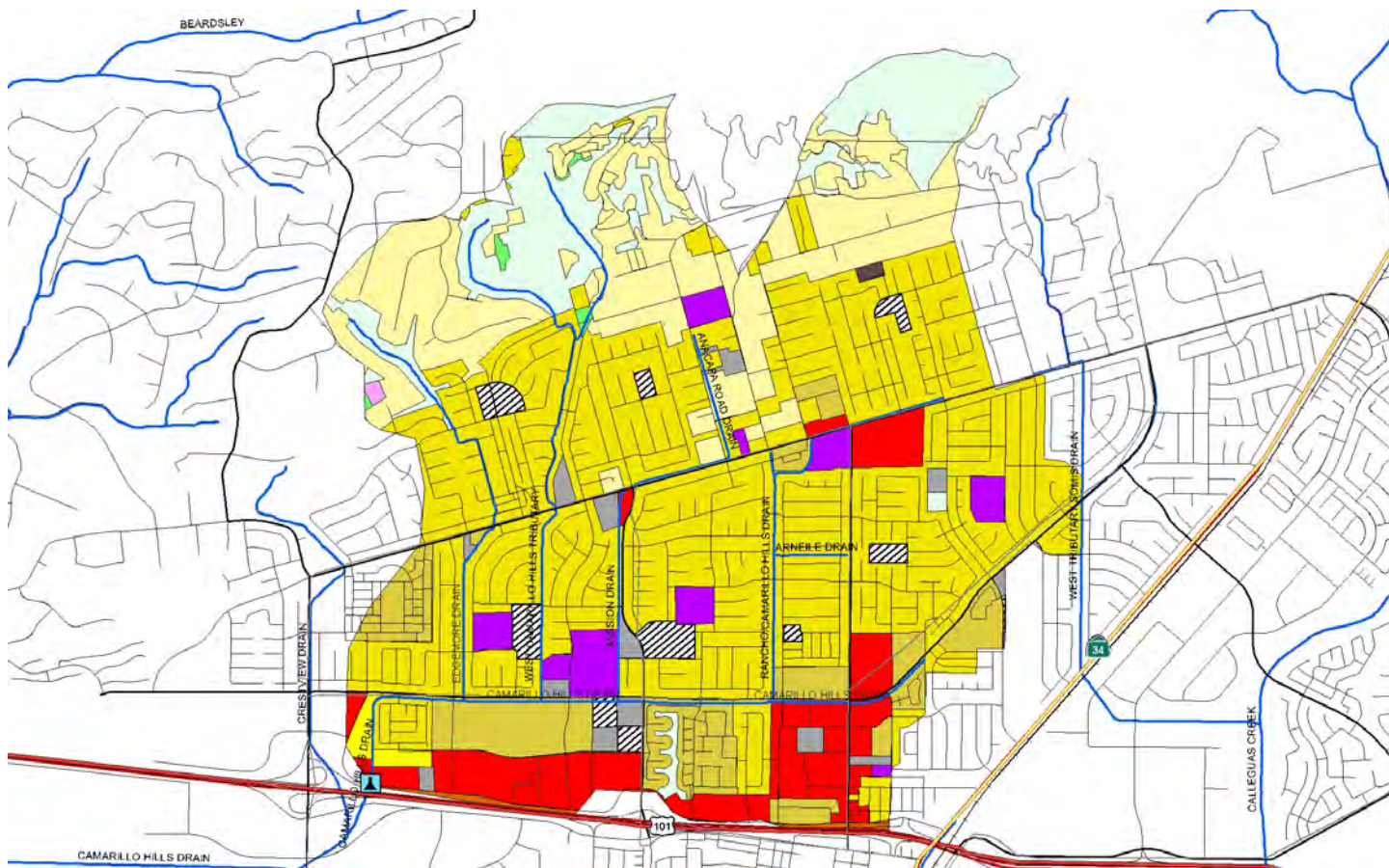
Cons: Moderate potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	1585.8	12.6%
Com_Indus. Mix	12.5	0.1%
Commer.	657.2	5.2%
Extraction	58.4	0.5%
Facility	129.5	1.0%
Industrial_1	32.2	0.2%
Industrial_3	622.6	4.9%
Military_2	5.7	0.1%
No Info Given	202.2	1.6%
Recreation	489.4	3.9%
Res.1	1305.9	10.4%
Res.2	443.4	3.5%
Res.3	3253.5	25.9%
Res.4	525.0	4.2%
Schools	325.0	2.6%
Transportation	954.2	7.6%
Under Construction	294.8	2.3%
Utilities	255.8	2.0%
Vacant Undifferentiated	1423.4	11.4%
Totals	12576.4	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	6.1	0.2%
Commercial	213.5	7.7%
Facility	48.5	1.7%
No Info Given	57.4	2.1%
Res.1	453.4	16.3%
Res.2	235.0	8.5%
Res.3	1365.5	49.1%
Res.4	15.2	0.5%
Schools	80.6	2.9%
Transportation	11.7	0.4%
Under Construction	2.6	0.1%
Utilities	2.3	0.1%
Vacant Undifferentiated	287.4	10.3%
Totals	2779.1	100.0%

Fillmore

Waterbody: North Fillmore Drain (tributary to Sespe Creek)

Location: 75 yds. southwest of Old Telegraph Rd.
(34°24'16.51"N, 118°55'50.47"W)

Pros: Some portion of vegetation could be cleared by City of Fillmore

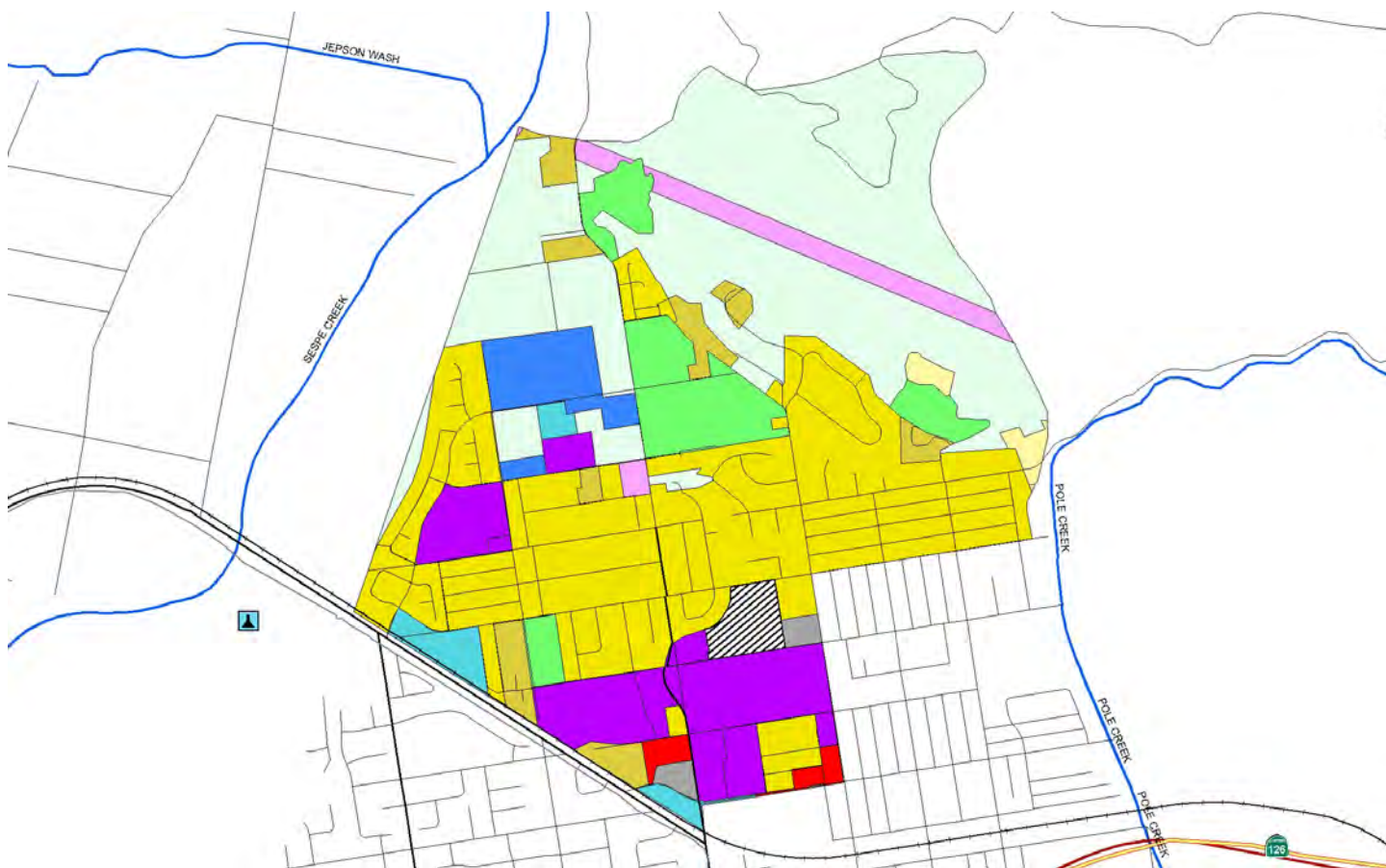
Cons: Potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: C Street Drain and Central Ave. Drain

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	274.8	13.0%
Com_Indus. Mix	10.4	1.0%
Commercial	103.2	5.0%
Facility	27.3	1.0%
Industrial_1	31.3	2.0%
Industrial_3	28.7	1.0%
No Info Given	21.9	1.0%
Res.1	52.8	3.0%
Res.2	44.6	2.0%
Res.3	693.1	34.0%
Schools	87.6	4.0%
Transportation	6.4	0.0%
Under Constructoni	58.4	3.0%
Utilities	45.8	2.0%
Vacant Undifferentiated	582.5	28.0%
Totals	2068.7	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	52.5	6.9%
Commercial	6.3	0.8%
Facility	5.1	0.7%
Industrial_1	14.1	1.9%
Industrial_3	23.4	3.1%
No Info Given	9.9	1.3%
Res.1	6.1	0.8%
Res.2	29.7	3.9%
Res.3	255.7	33.6%
Schools	75.3	9.9%
Utilities	23.1	3.0%
Vacant Undifferentiated	260.6	34.2%
Totals	761.7	100.0%

Meiners Oaks (Unincorporated)

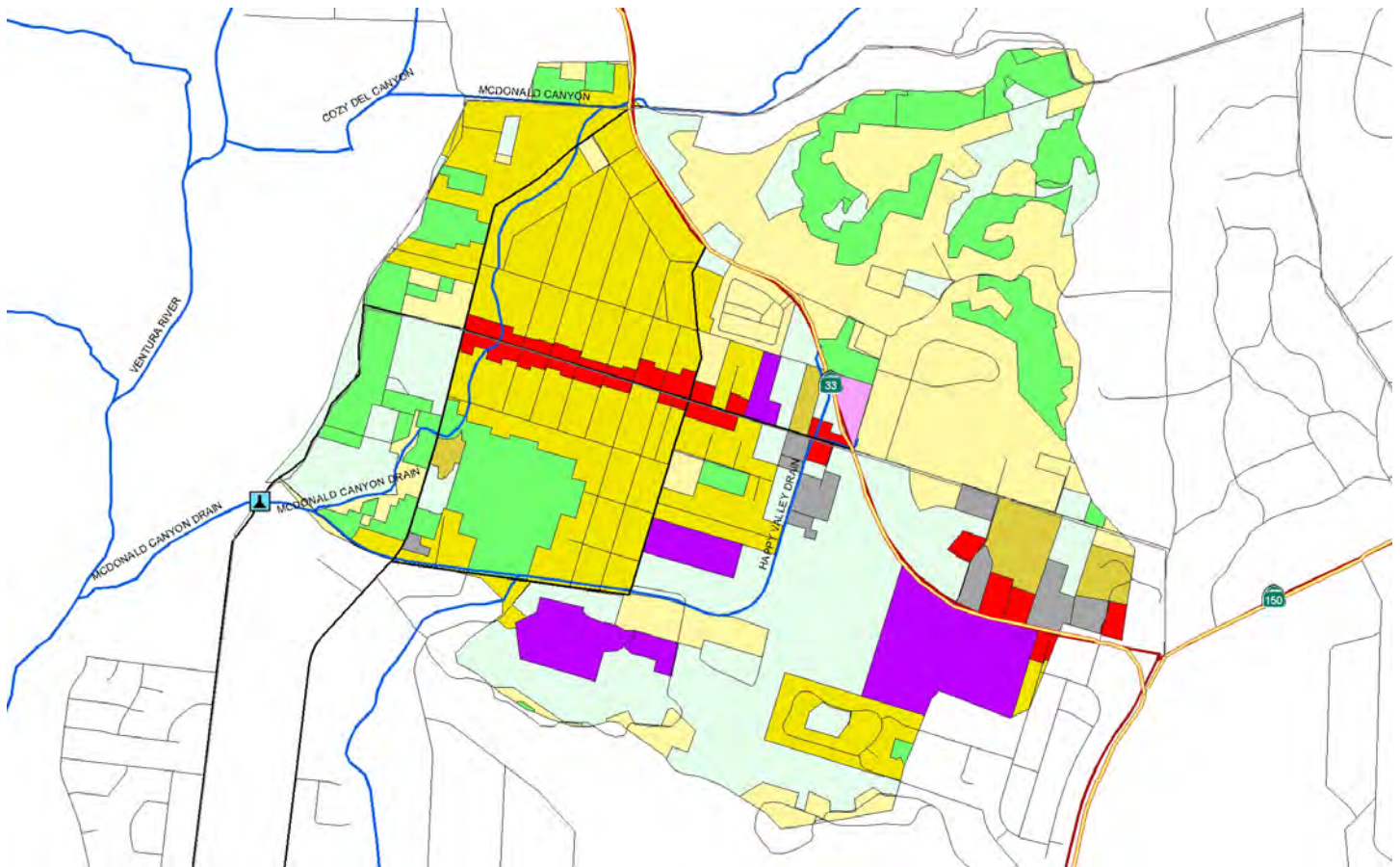
Waterbody: Happy Valley Drain (tributary to Ventura River)

Location: Southwest of Lomita Rd. and Rice Rd. intersection (34°26'43.98"N, 119°17'25.18"W)

Pros: Good control, good access, existing stream flow gauge

Dry Season Flow Potential: Unknown at end of rainy season; unlikely later in summer





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	658.0	21.5%
Cemeteries	0.0	0.0%
Commercial	33.0	1.1%
Facility	15.5	0.5%
Recreation	29.9	1.0%
Res.1	812.3	26.5%
Res.2	43.9	1.4%
Res.3	463.4	15.1%
Schools	46.5	1.5%
Utilities	19.3	0.6%
Vacant Undifferentiated	945.0	30.8%
Totals	3066.8	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	152.1	14.8%
Commercial	30.8	3.0%
Facility	20.8	2.0%
Res.1	234.0	22.8%
Res.2	22.0	2.1%
Res.3	249.9	24.4%
Schools	63.6	6.2%
Utilities	3.8	0.4%
Vacant Undifferentiated	248.8	24.3%
Totals	1025.9	100.0%

Moorpark

Waterbody: Gabbert Canyon Drain (tributary to Arroyo Las Posas)

Location: North side of SR 118 near southwest corner of So. Cal. Edison property (34°16'44.29"N, 118°54'19.40"W)

Pros: Likely well-defined rating table

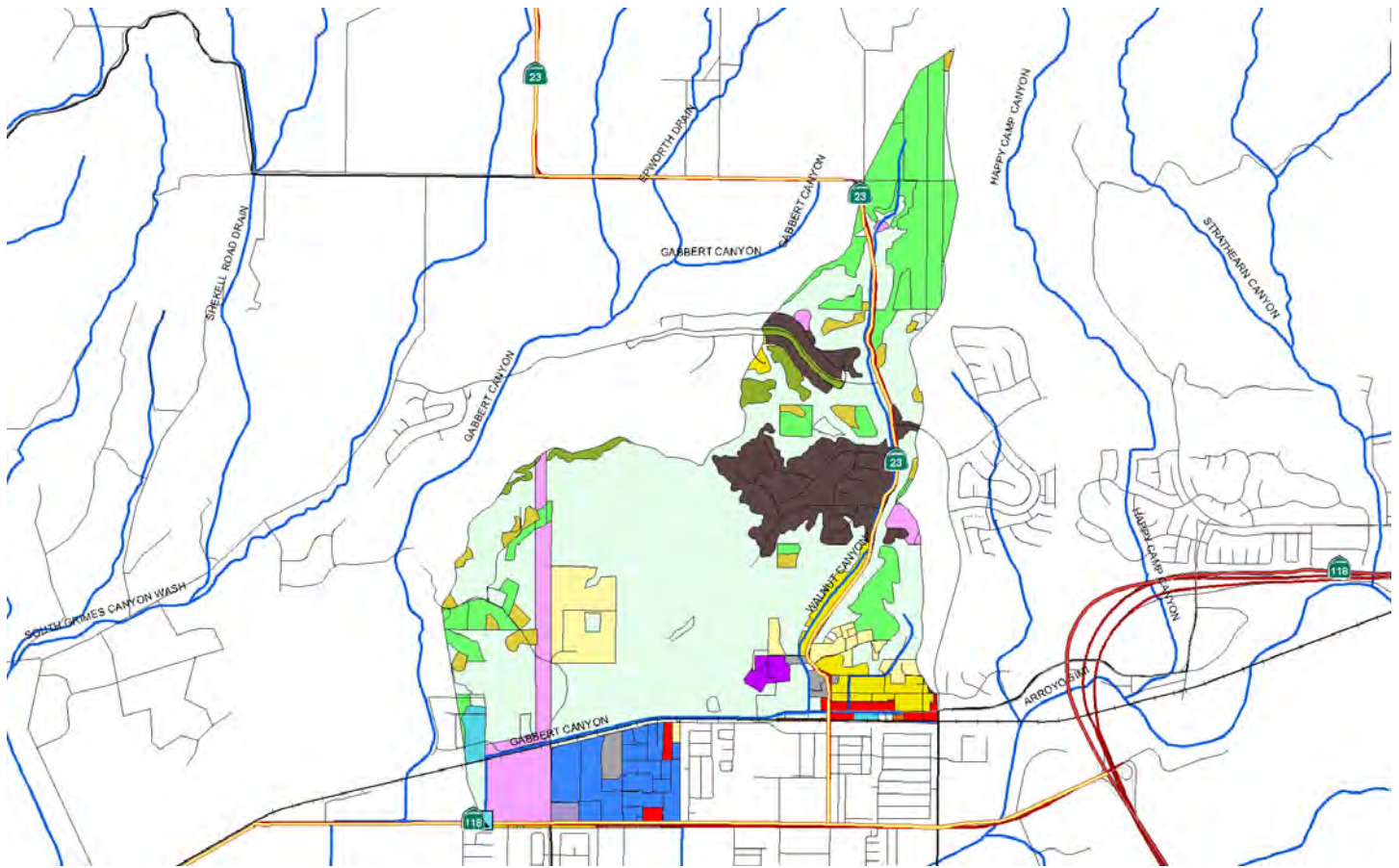
Cons: Aerial deposition from vehicular traffic on 118, potential for vandalism

Outstanding Site Selection Tasks: Move sampling location shown on watershed map

Other Potential Sites: Upstream current location, although site would interfere with access road

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Land Use	Acres	% of Total Watershed
Agriculture	351.7	4.0%
Com_Indus. Mix	9.1	0.0%
Commercial	196.3	2.0%
Extraction	39.2	0.0%
Facility	40.9	1.0%
Industrial_1	21.3	0.0%
Industrial_3	225.2	3.0%
No Info Given	148.3	2.0%
Recreation	186.1	2.0%
Res.1	213.5	3.0%
Res.2	190.4	2.0%
Res.3	1854.6	23.0%
Res.4	106.8	1.0%
Schools	302.1	4.0%
Transportation	198.0	2.0%
Under Construction	472.9	6.0%
Utilities	211.9	3.0%
Vacant Undifferentiated	3213.1	40.0%
Totals	7981.5	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	230.0	12.7%
Commercial	19.9	1.1%
Extraction	5.8	0.3%
Facility	16.8	0.9%
Industrial_1	13.3	0.7%
Industrial_3	90.4	5.0%
Recreation	31.0	1.7%
Res.1	82.3	4.5%
Res.2	37.4	2.1%
Res.3	56.3	3.1%
Res.4	1.5	0.1%
Schools	10.5	0.6%
Transportation	3.1	0.2%
Under Construction	166.2	9.2%
Utilities	100.7	5.5%
Vacant Undifferentiated	950.8	52.4%
Totals	1816.2	100.0%

Ojai

Waterbody: Fox Canyon Barranca (tributary to San Antonio Creek)

Location: Concrete box channel upstream Ojai Valley Athletic Club and downstream pedestrian walkway (34°26'41.25"N, 119°14'28.43"W)

Pros: Numerous bridges to sample from, located behind VCWPD gate, likely well-defined rating table

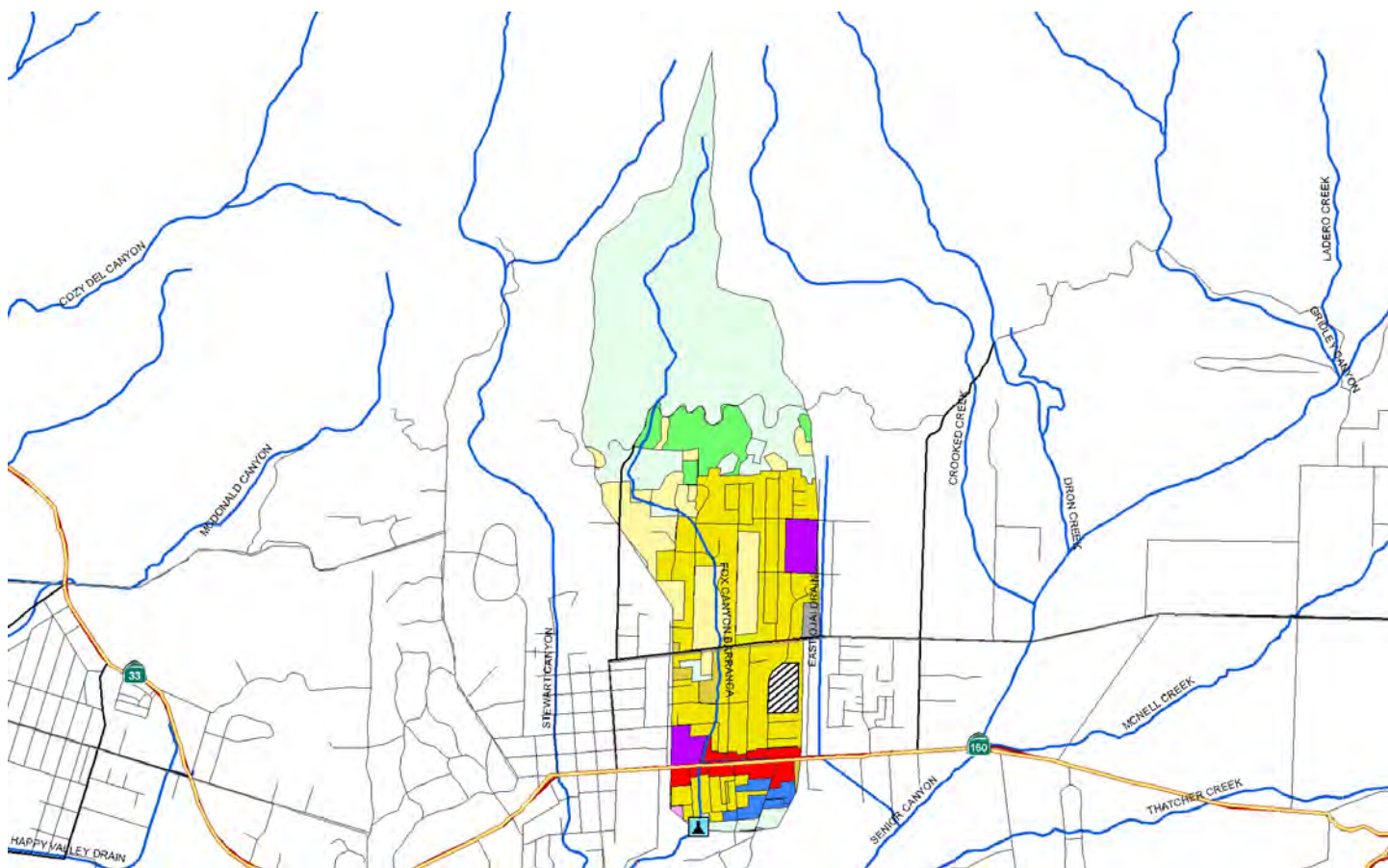
Cons: Some potential for vandalism

Outstanding Site Selection Tasks: Work with VCWPD O&M to ensure enclosure doesn't interfere with maintenance activities

Other Potential Sites: Downstream where Stewart Canyon crosses beneath Ventura St. (bioassessment #8)

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire Watershed

Land Use	Acres	% of Total Watershed
Agriculture	83.1	3.0%
Cemeteries	3.8	0.1%
Com_Indus. Mix	7.6	0.3%
Commercial	155.1	5.6%
Facility	43.2	1.5%
Industrial_3	13.2	0.5%
No Info Given	55.6	2.0%
Recreation	312.1	11.2%
Res.1	620.7	22.2%
Res.2	61.3	2.2%
Res.3	534.8	19.1%
Res.4	3.3	0.1%
Schools	100.6	3.6%
Utilities	32.9	1.2%
Vacant Undifferentiated	767.1	27.5%
Totals	2794.7	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	37.3	5.0%
Commercial	23.8	3.2%
Facility	4.1	0.6%
Industrial_3	11.4	1.5%
No Info Given	10.0	1.3%
Recreation	0.1	0.0%
Res.1	84.3	11.3%
Res.2	8.0	1.1%
Res.3	210.9	28.2%
Res.4	0.1	0.0%
Schools	20.2	2.7%
Utilities	1.0	0.1%
Vacant Undifferentiated	337.5	45.1%
Totals	748.6	100.0%

Oxnard

Waterbody: El Rio Drain (tributary to Santa Clara River)

Location: Pedestrian bridge 50 yds. southwest bend of Winchester Dr. (34°14'10.10"N, 119°11'3.93"W)

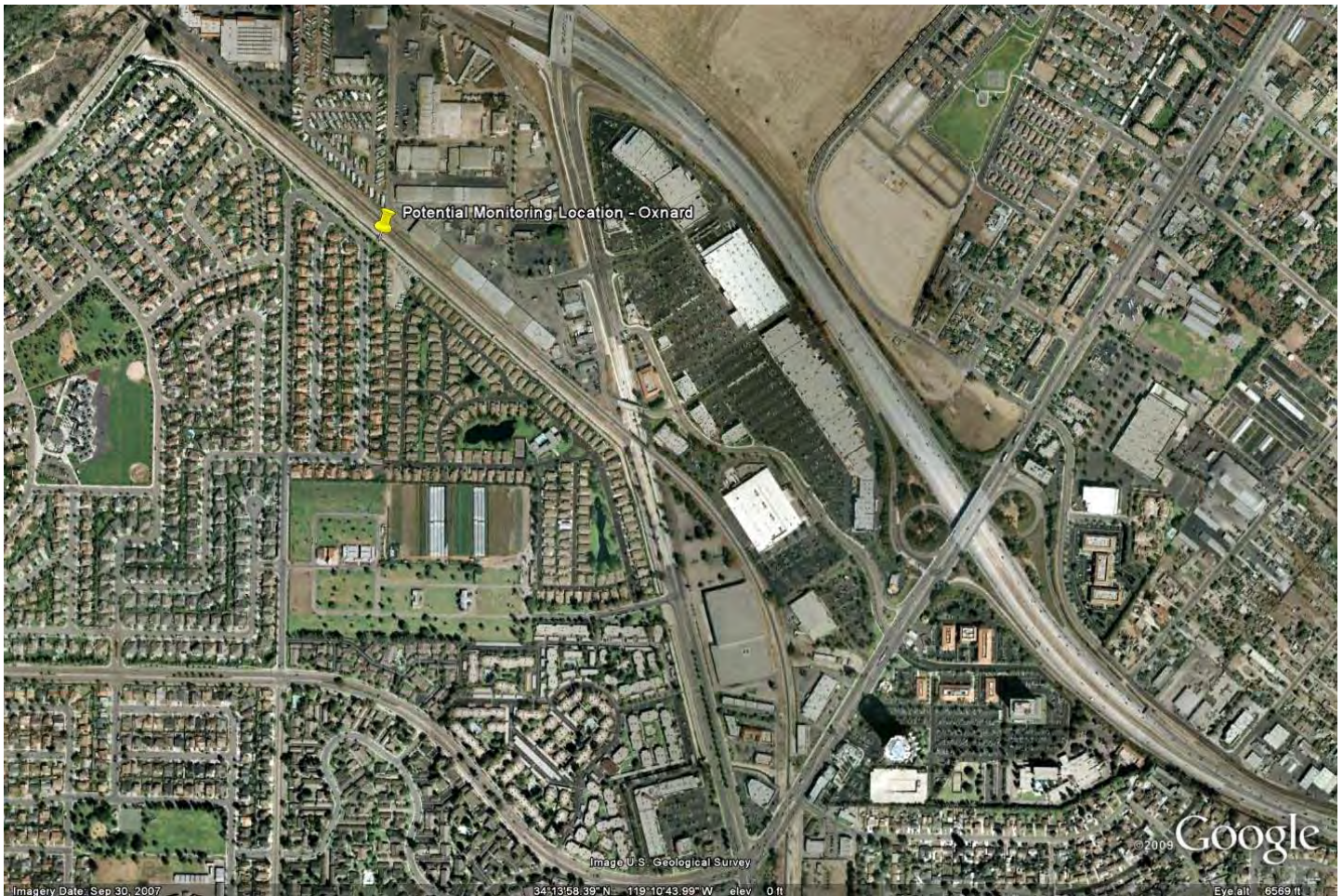
Pros: Likely well-defined rating table

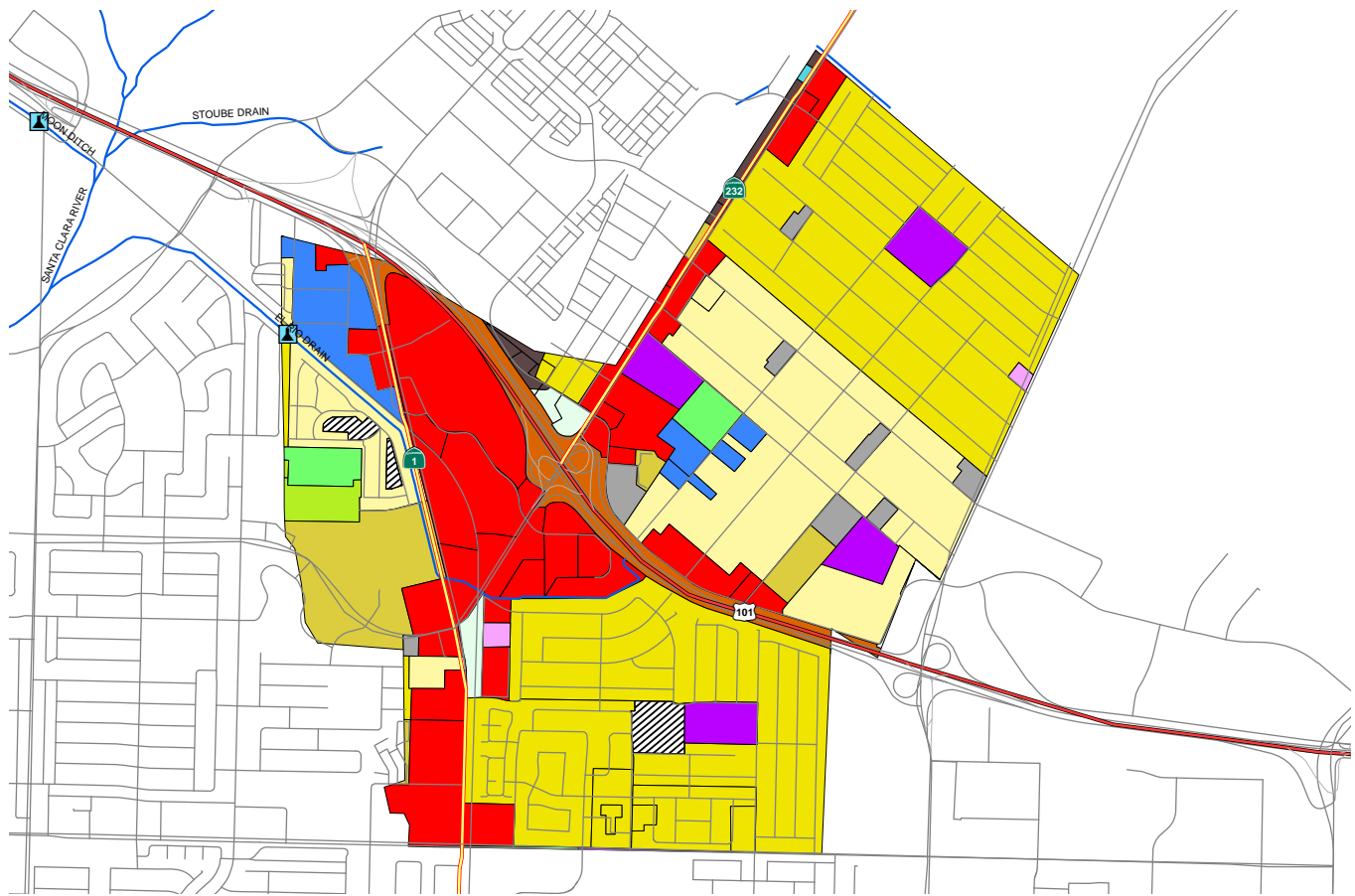
Cons: High potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	969.4	5.6%
Cemeteries	22.4	0.1%
Com_Indus. Mix	165.1	0.9%
Commercial	1385.9	8.0%
Extraction	227.3	1.3%
Facility	244.8	1.4%
Industrial_1	163.7	1.0%
Industrial_3	1104.0	6.5%
Industrial_4	62.3	0.4%
Military_1	1.7	0.0%
Military_2	4.0	0.0%
No Info Given	371.6	2.2%
Recreation	679.4	3.9%
Res.1	369.1	2.2%
Res.2	1149.3	6.7%
Res.3	5892.4	34.3%
Res.4	163.0	1.0%
Schools	703.5	4.1%
Transportation	560.5	3.3%
Under Construction	802.6	4.7%
Utilities	298.0	1.8%
Vacant Undifferentiated	1740.2	10.1%
Water	82.0	0.5%
Totals	17162.2	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	19.0	1.5%
Cemeteries	9.7	0.7%
Commercial	253.5	19.5%
Facility	22.1	1.7%
Industrial_1	0.7	0.1%
Industrial_3	40.4	3.1%
No Info Given	14.0	1.1%
Res.1	243.3	18.7%
Res.2	69.8	5.4%
Res.3	500.1	38.5%
Schools	42.9	3.3%
Transportation	55.3	4.3%
Under Construction	12.4	1.0%
Utilities	3.5	0.3%
Vacant Undifferentiated	11.7	0.9%
Totals	1298.2	100.0%

Port Hueneme

Waterbody: Hueneme Drain (tributary to Pacific Ocean)

Location: Pump Station 300 yds. downstream Surfside Dr. (34°8'26.91"N, 119°11'17.58"W)

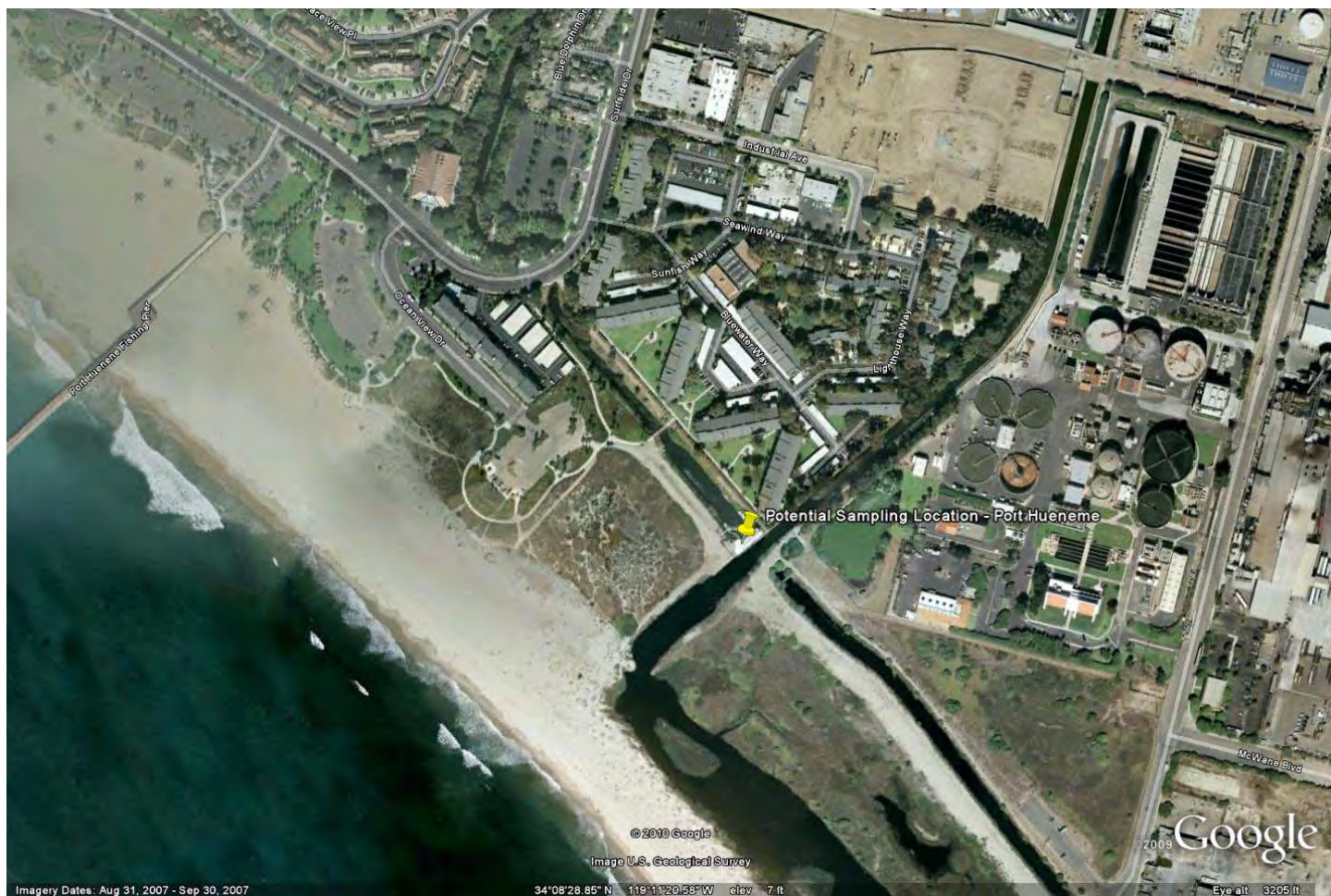
Pros: Grass-covered sides fairly stable

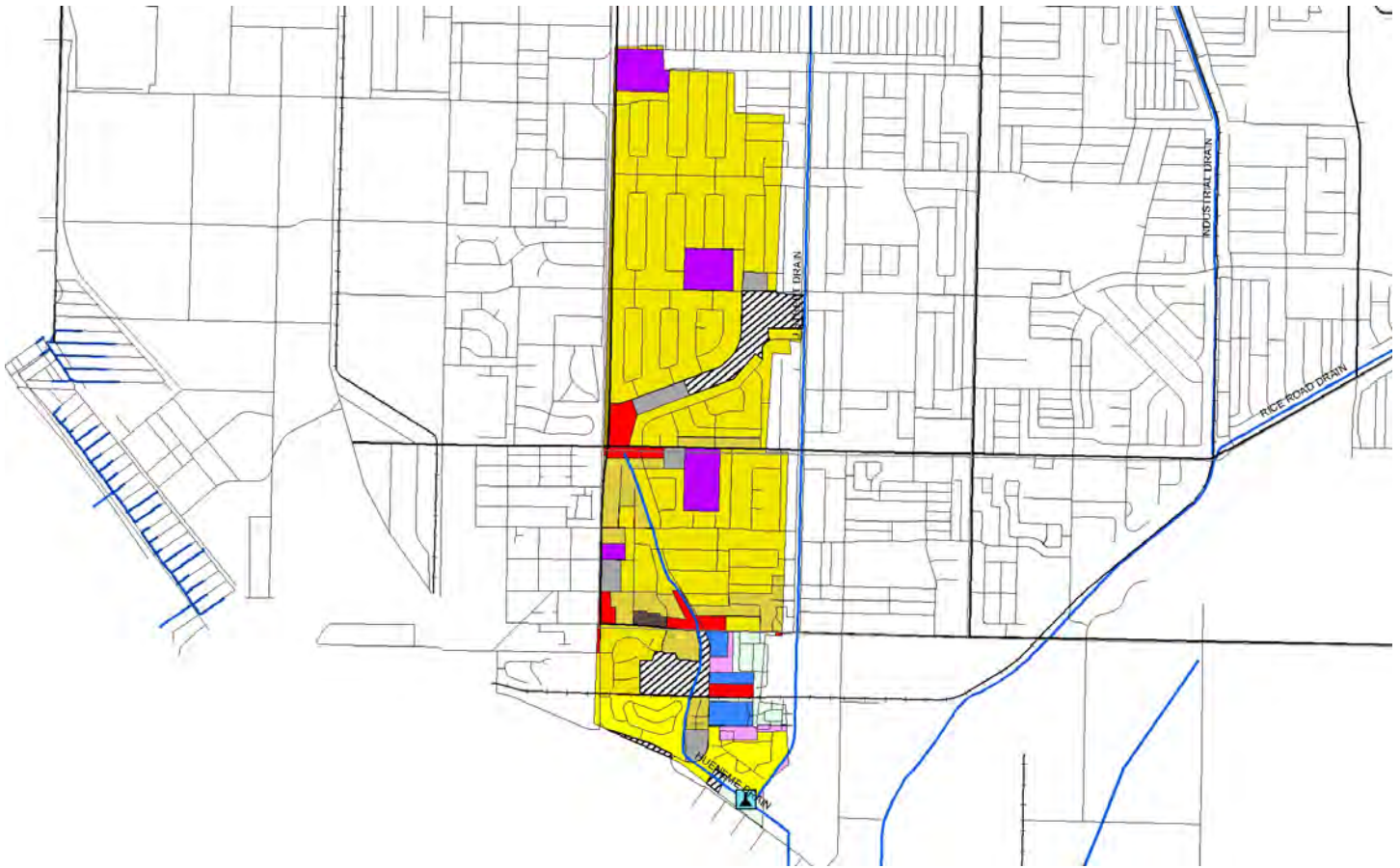
Cons: Lots of activity nearby, high potential for vandalism, stagnant water

Outstanding Site Selection Tasks: Verify positive flow

Other Potential Sites: At Surfside Rd. at lower end of Bubbling Springs Park

Dry Season Flow Potential: Likely year-round flow due to urban runoff and groundwater contribution





Entire City

Land Use	Acres	% of Total Watershed
Commercial	105.4	3.7%
Facility	20.4	0.7%
Industrial_1	32.5	1.1%
Industrial_3	34.9	1.2%
Military_2	1558.4	54.0%
No Info Given	53.7	1.9%
Recreation	38.5	1.3%
Res.2	308.3	10.7%
Res.3	432.9	15.0%
Res.4	104.3	3.6%
Schools	41.6	1.4%
Transportation	29.7	1.0%
Under Construction	2.1	0.1%
Utilities	6.0	0.2%
Vacant Undifferentiated	35.4	1.2%
Water	83.6	2.9%
Totals	2887.9	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Commercial	19.2	3.3%
Facility	15.1	2.6%
Industrial_3	10.0	1.7%
Military_2	5.7	1.0%
No Info Given	35.8	6.1%
Res.2	45.5	7.7%
Res.3	359.1	60.9%
Res.4	40.9	6.9%
Schools	32.6	5.5%
Under Construction	2.1	0.4%
Utilities	6.5	1.1%
Vacant Undifferentiated	16.8	2.9%
Totals	589.4	100.0%

Santa Paula

Waterbody: 11th Street Drain (tributary to Santa Clara River)

Location: Upstream Santa Paula Airport
(34°20'54.99"N, 119° 3'19.82"W)

Pros: Excellent flat pad on top of outfall for sampling equipment

Cons: High potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff. No flow at time of initial observation





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	210.3	7.0%
Cemeteries	19.4	0.7%
Com_Indus. Mix	4.6	0.2%
Commercial	235.4	7.8%
Extraction	30.5	1.0%
Facility	42.4	1.4%
Industrial_1	73.7	2.4%
Industrial_3	133.0	4.5%
No Info Given	33.5	1.1%
Recreation	4.7	0.2%
Res.1	266.9	8.9%
Res.2	86.8	2.9%
Res.3	1065.9	35.5%
Res.4	46.8	1.6%
Schools	91.7	3.1%
Transportation	166.4	5.5%
Under Construction	8.7	0.3%
Utilities	41.1	1.4%
Vacant Undifferentiated	440.6	14.7%
Totals	3002.4	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Commercial	9.4	14.7%
Industrial_1	2.5	4.0%
Res.2	2.8	4.3%
Res.3	30.5	47.7%
Schools	6.4	10.0%
Transportation	6.8	10.6%
Utilities	4.9	7.6%
Vacant Undifferentiated	0.8	1.2%
Totals	64.0	100.0%

Simi Valley

Waterbody: Bus Canyon Drain (tributary to Arroyo Simi)

Location: North of intersection at 5th St. and Los Angeles Ave. (34°16'18.59"N, 118°47'1.51"W)

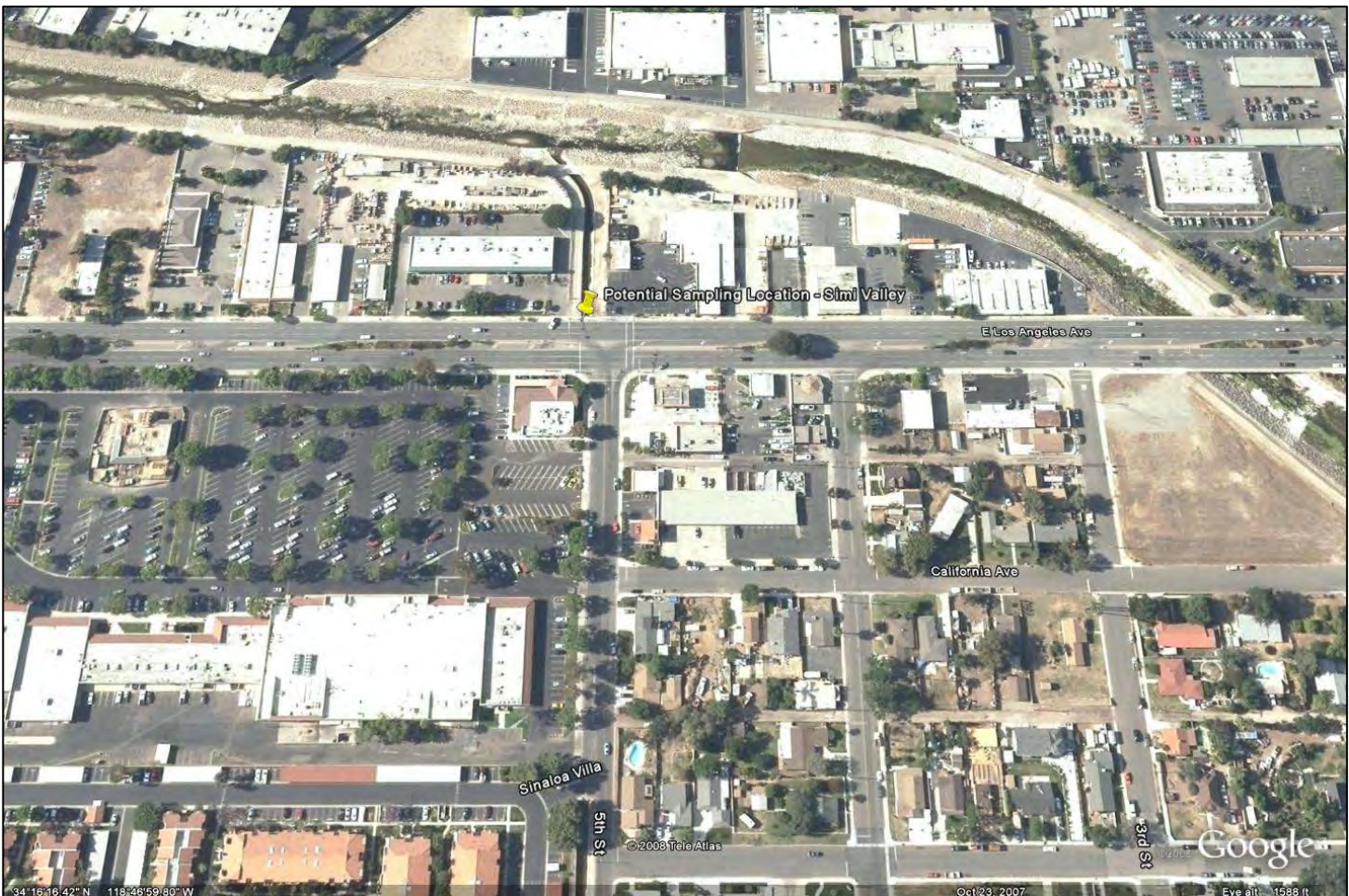
Pros: Likely well-defined rating table, located behind VCWPD gate

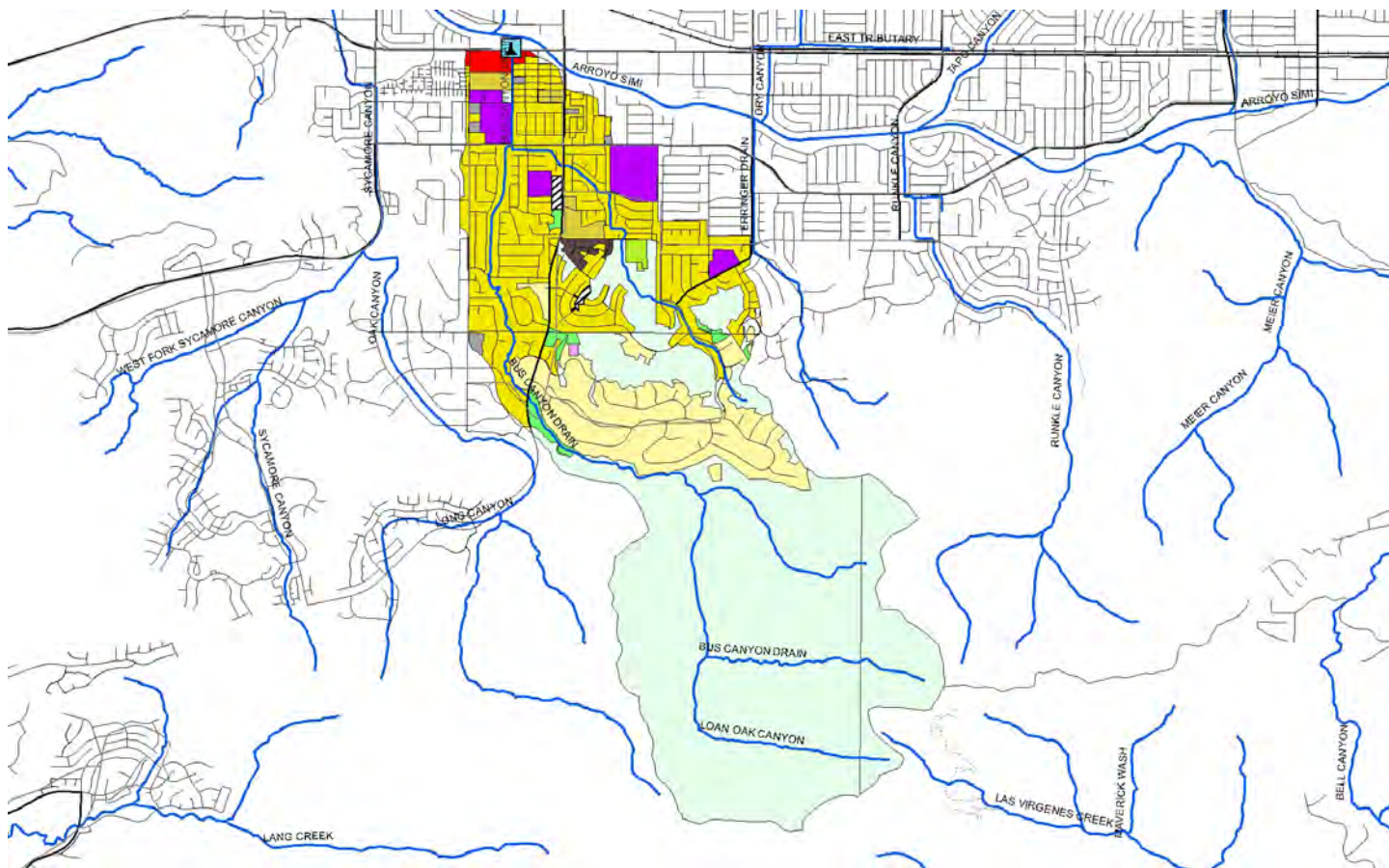
Cons: Pedestrian traffic on levee nearby

Outstanding Site Selection Tasks: Assess impacts of large groundwater discharge upstream, move sampling location shown on watershed map

Other Potential Sites: Upstream at 5th and Ventura Ave.

Dry Season Flow Potential: Likely year round flow due to urban runoff and groundwater discharge upstream





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	435.5	1.6%
Cemeteries	34.3	0.1%
Com_Indus. Mix	24.4	0.1%
Commercial	1051.4	3.9%
Extraction	111.8	0.4%
Facility	217.1	0.8%
Industrial_1	50.3	0.2%
Industrial_3	353.3	1.3%
Industrial_4	5.9	0.0%
No Info Given	382.0	1.5%
Recreation	560.9	2.0%
Res.1	1025.0	3.7%
Res.2	586.0	2.2%
Res.3	7947.7	29.5%
Res.4	110.7	0.4%
Schools	517.5	1.9%
Transportation	546.9	2.0%
Under Construction	385.6	1.4%
Utilities	261.0	1.0%
Vacant Undifferentiated	12291.5	45.6%
Totals	26898.6	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	33.0	1.0%
Cemeteries	10.1	0.3%
Commercial	22.6	0.7%
Facility	12.9	0.4%
No Info Given	9.4	0.3%
Res.1	395.5	11.9%
Res.2	40.3	1.2%
Res.3	782.9	23.6%
Schools	96.7	2.9%
Under Construction	15.5	0.5%
Utilities	1.8	0.1%
Vacant Undifferentiated	1900.0	57.2%
Totals	3320.7	100.0%

Thousand Oaks

Waterbody: North Fork Arroyo Conejo (tributary to Conejo Creek)

Location: Hill Canyon WWTP sampling location R-1(34°12'49.16"N, 118°55'16.24"W)

Pros: Very secure, helpful staff onsite, fairly well-defined channel, accessible via concrete stairs

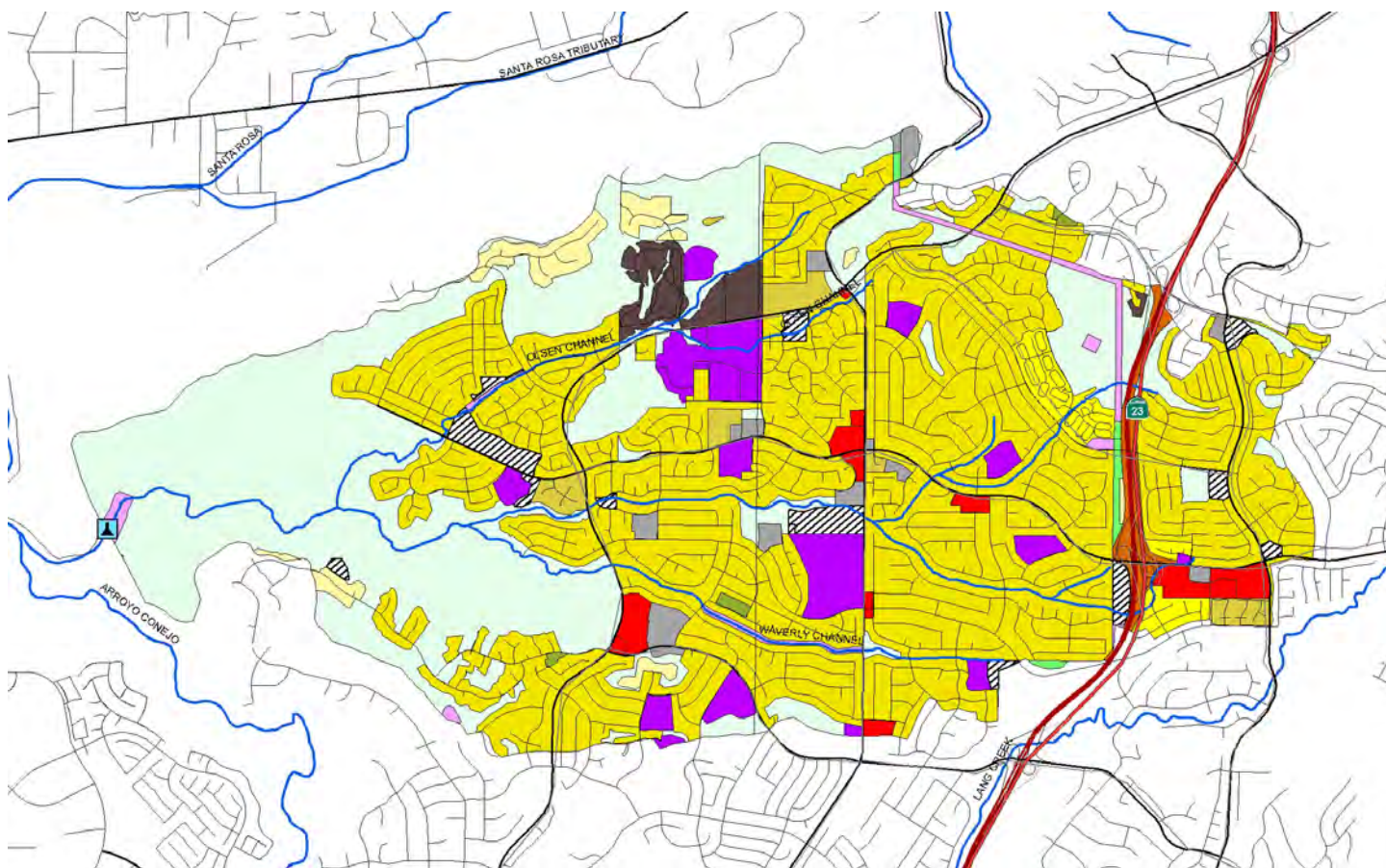
Cons: Late-night access to WWTP could present problem

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	207.0	0.6%
Com_Indus. Mix	23.2	0.1%
Commercial	1499.7	4.2%
Extraction	9.0	0.0%
Facility	291.6	0.8%
Industrial_1	94.3	0.3%
Industrial_3	457.7	1.3%
No Info Given	459.2	1.3%
Recreation	574.2	1.7%
Res.1	1683.9	4.7%
Res.2	1000.3	2.8%
Res.3	9323.6	26.4%
Res.4	288.1	0.8%
Schools	587.6	1.7%
Transportation	605.4	1.7%
Under Construction	281.6	0.8%
Utilities	260.6	0.7%
Vacant Undifferentiated	17465.1	49.7%
Totals	35111.8	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	13.5	0.3%
Commercial	83.5	1.6%
Facility	67.3	1.3%
No Info Given	95.4	1.8%
Recreation	8.7	0.2%
Res.1	89.8	1.7%
Res.2	71.5	1.4%
Res.3	2643.8	51.0%
Res.4	84.0	1.6%
Schools	224.2	4.3%
Transportation	61.5	1.2%
Under Construction	79.4	1.5%
Utilities	53.3	1.0%
Vacant Undifferentiated	1603.6	31.0%
Totals	5179.3	100.0%

Ventura

Waterbody: Moon Ditch (tributary to Santa Clara River)

Location: Between Leland St. and US 101, north of Johnson Dr. (34°14'35.86"N, 119°11'40.86"W)

Pros: Likely well-defined rating table, fairly good protection (located behind VCWPD gate)

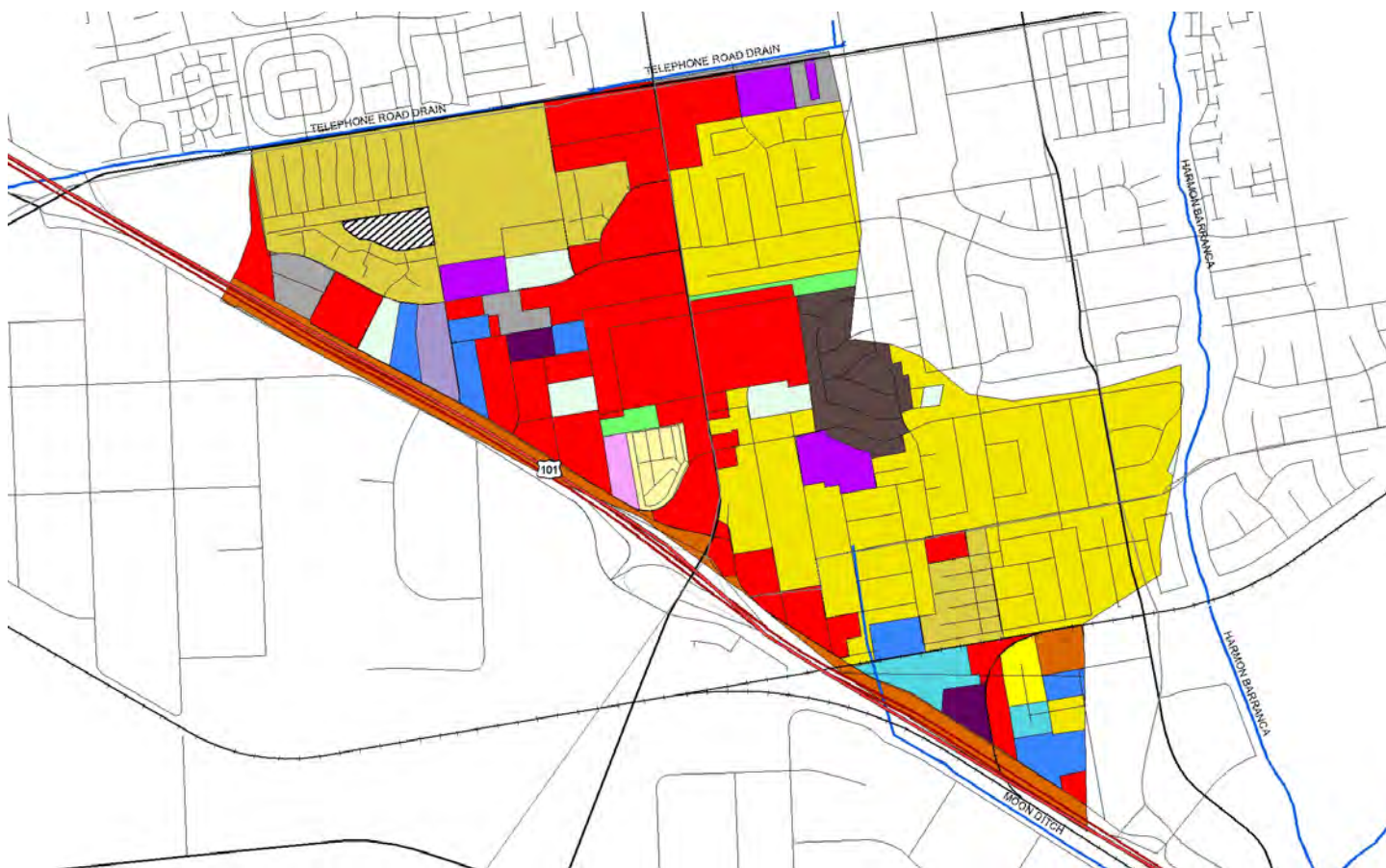
Cons: Wide concrete bottom will spread out low flows, placement of intake somewhat difficult

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	667.6	4.7%
Cemeteries	72.6	0.5%
Com_Indus. Mix	95.4	0.7%
Commercial	1402.9	10.0%
Extraction	39.2	0.3%
Facility	303.8	2.2%
Industrial_1	90.5	0.6%
Industrial_3	619.6	4.5%
Military_2	3.6	0.0%
No Info Given	285.7	2.1%
Recreation	516.3	3.7%
Res.1	361.1	2.6%
Res.2	924.0	6.6%
Res.3	5209.6	37.2%
Res.4	72.4	0.5%
Res.5	2.8	0.0%
Schools	495.8	3.6%
Transportation	570.0	4.1%
Under Construction	73.7	0.5%
Utilities	125.4	0.9%
Vacant Undifferentiated	2018.1	14.4%
Water	61.5	0.4%
Totals	14011.6	100.0%

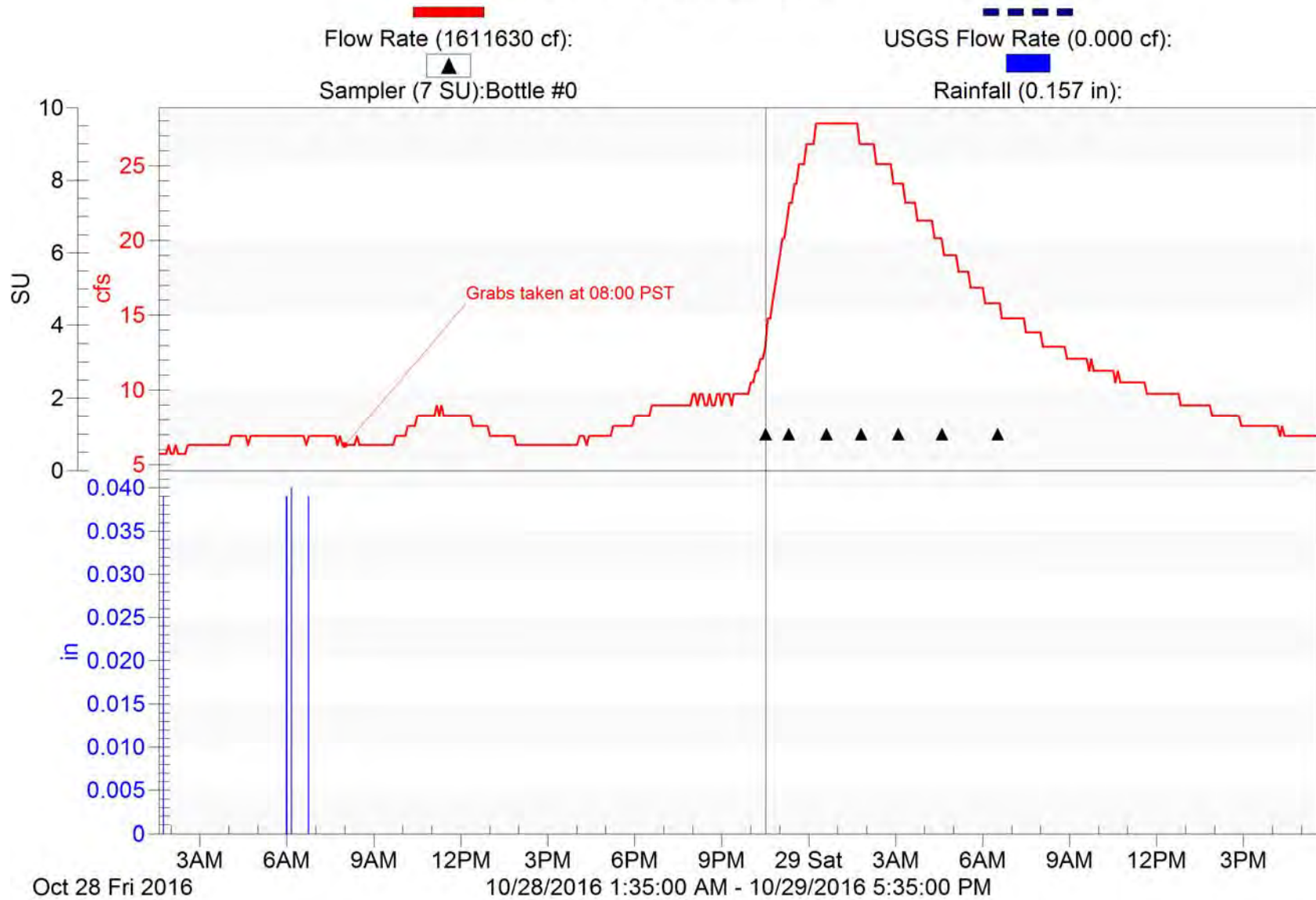
Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	5.8	0.8%
Com_Indus. Mix	6.5	0.9%
Commercial	171.7	24.3%
Extraction	6.3	0.9%
Facility	14.6	2.1%
Industrial_1	10.8	1.5%
Industrial_3	23.0	3.2%
No Info Given	5.4	0.8%
Res.1	8.7	1.2%
Res.2	109.1	15.4%
Res.3	234.8	33.2%
Res.4	4.8	0.7%
Schools	18.4	2.6%
Transportation	40.7	5.8%
Under Construction	26.6	3.8%
Utilities	3.5	0.5%
Vacant Undifferentiated	16.3	2.3%
Totals	707.1	100.0%

Appendix B. Event Hydrographs

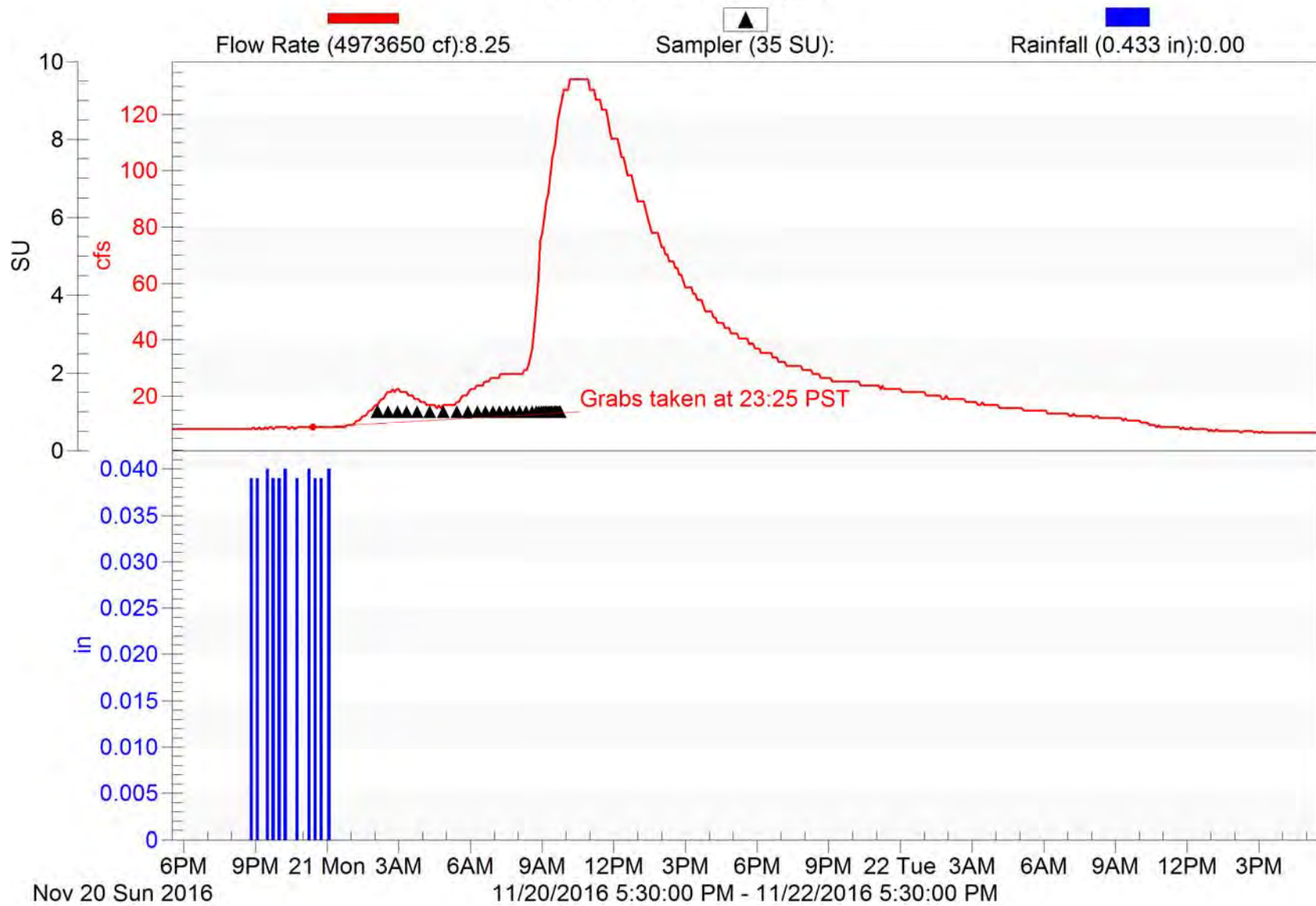
ME-CC

2016/17 NPDES Event 1 (Wet)



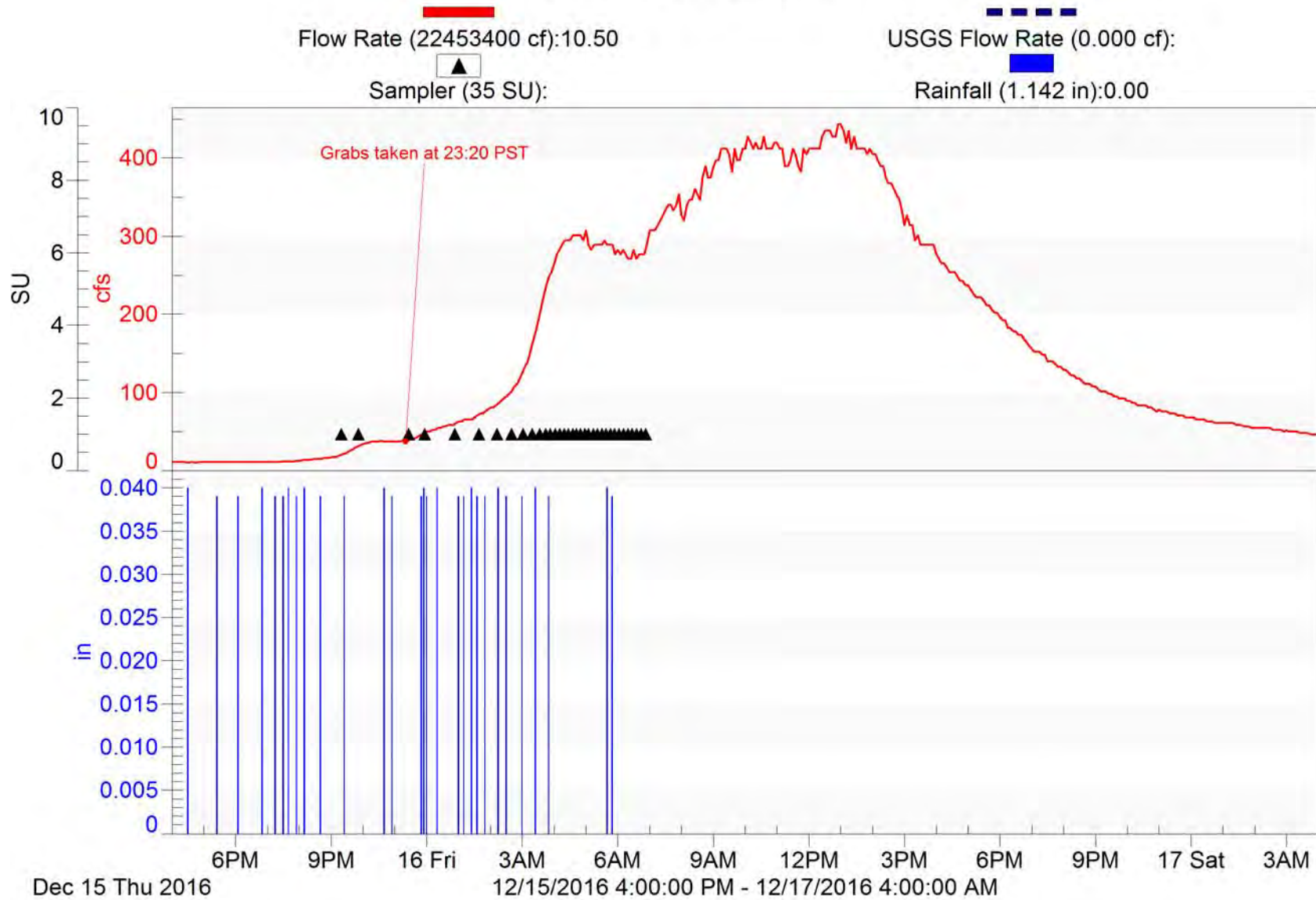
ME-CC

2016/17 NPDES Event 2 (Wet)



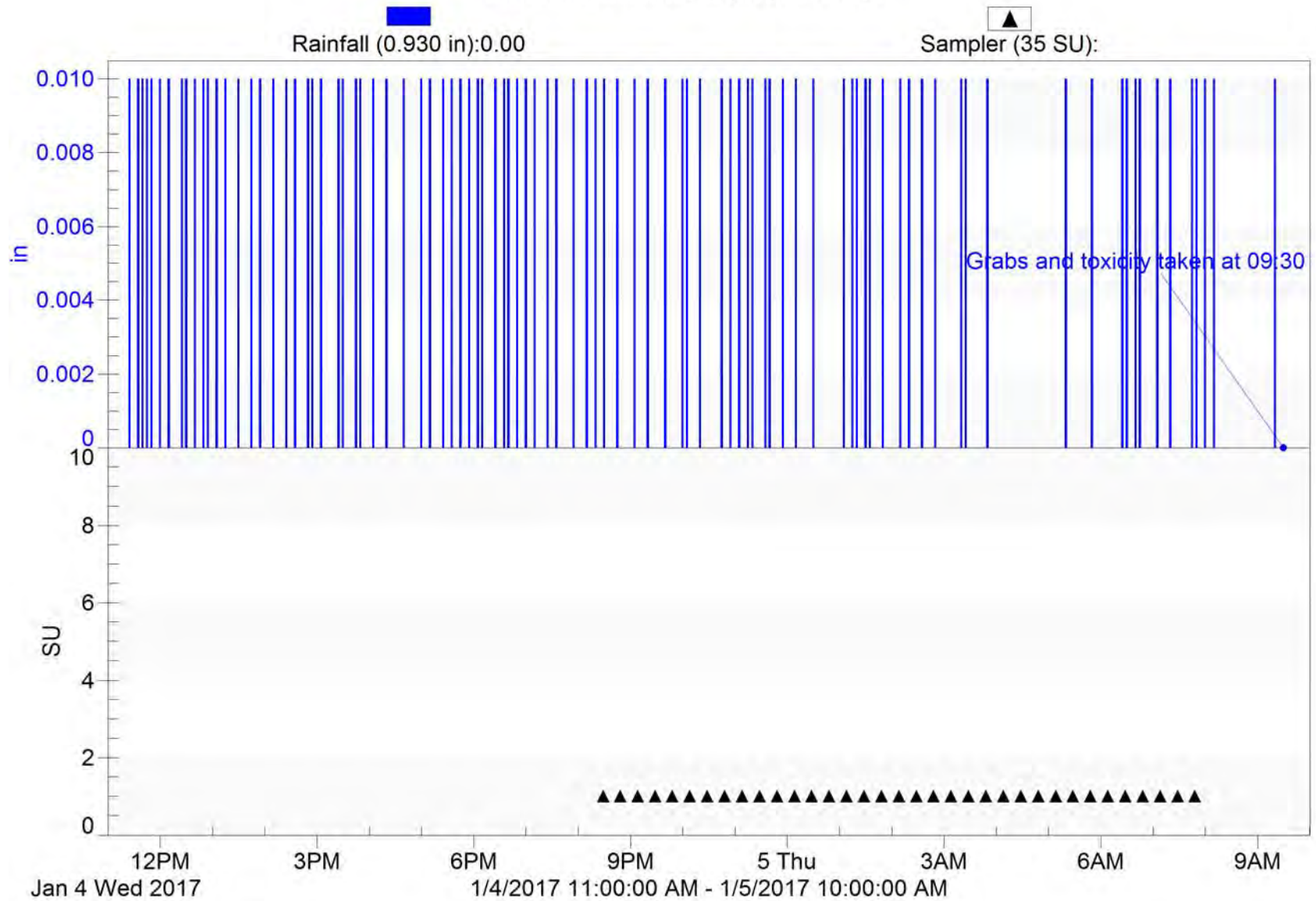
ME-CC

2016/17 NPDES Event 3 (Wet)



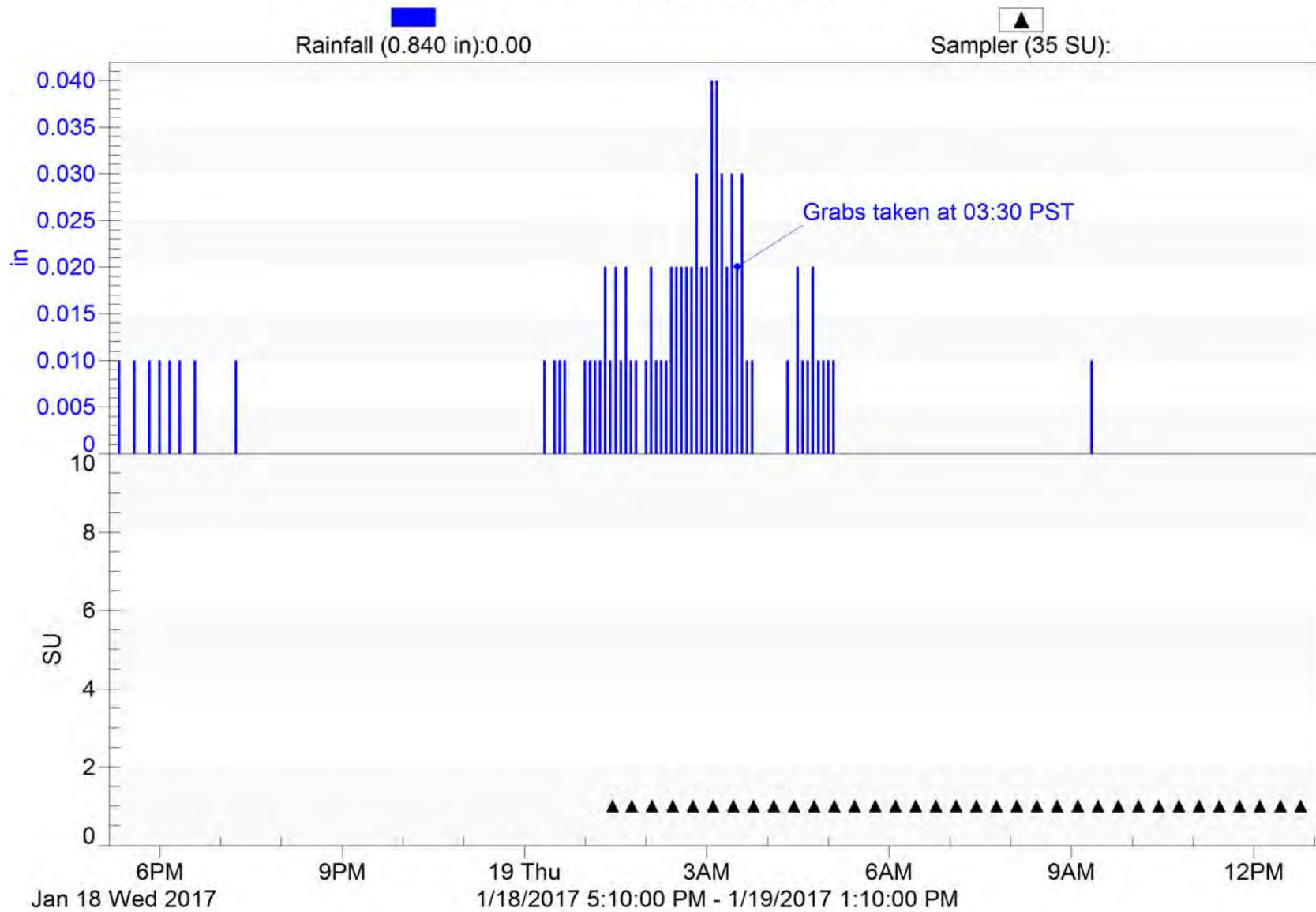
ME-SCR

2016/17 NPDES Event #4 (Wet) First Flush



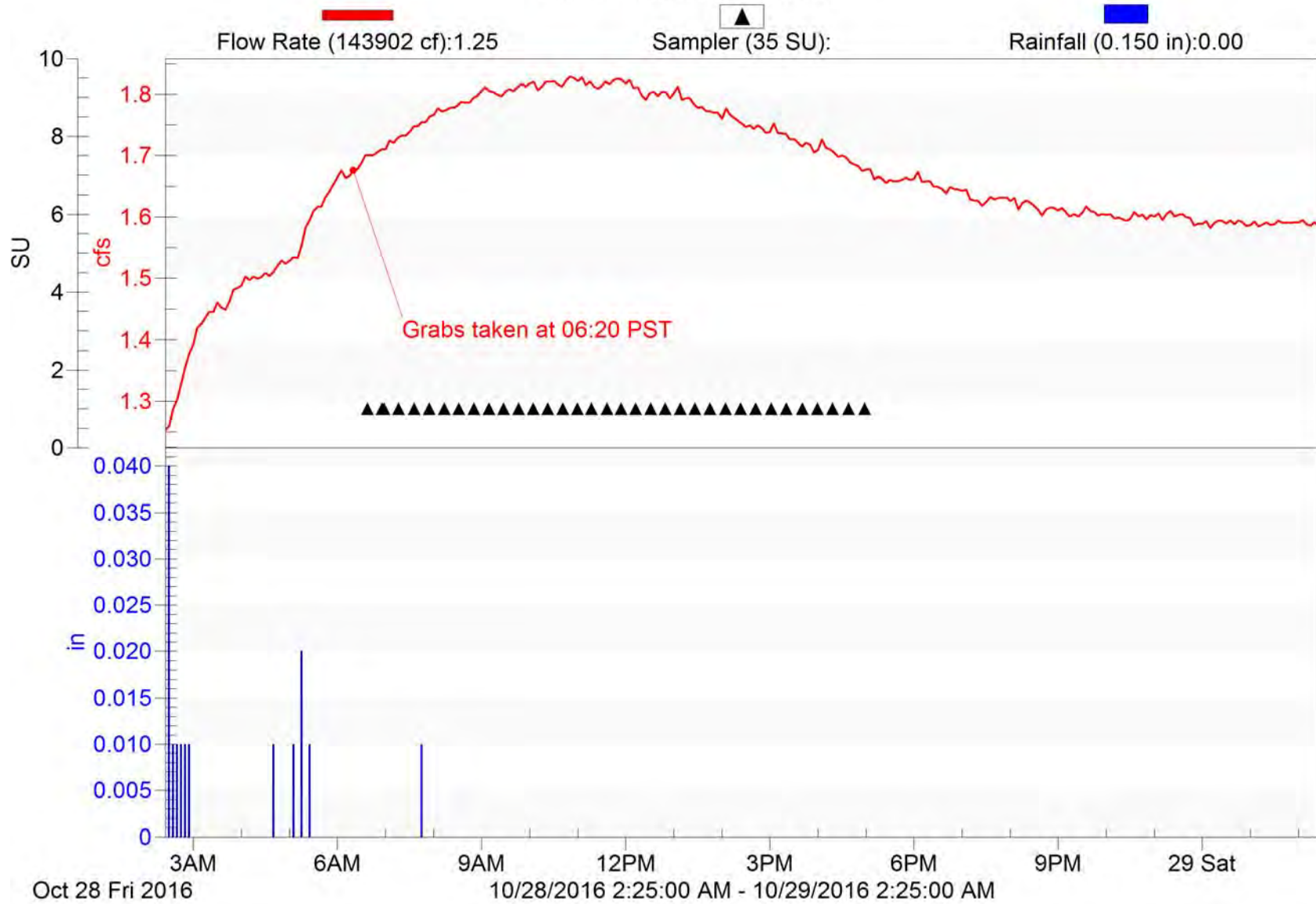
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2016/17 NPDES Event #5 (Wet)



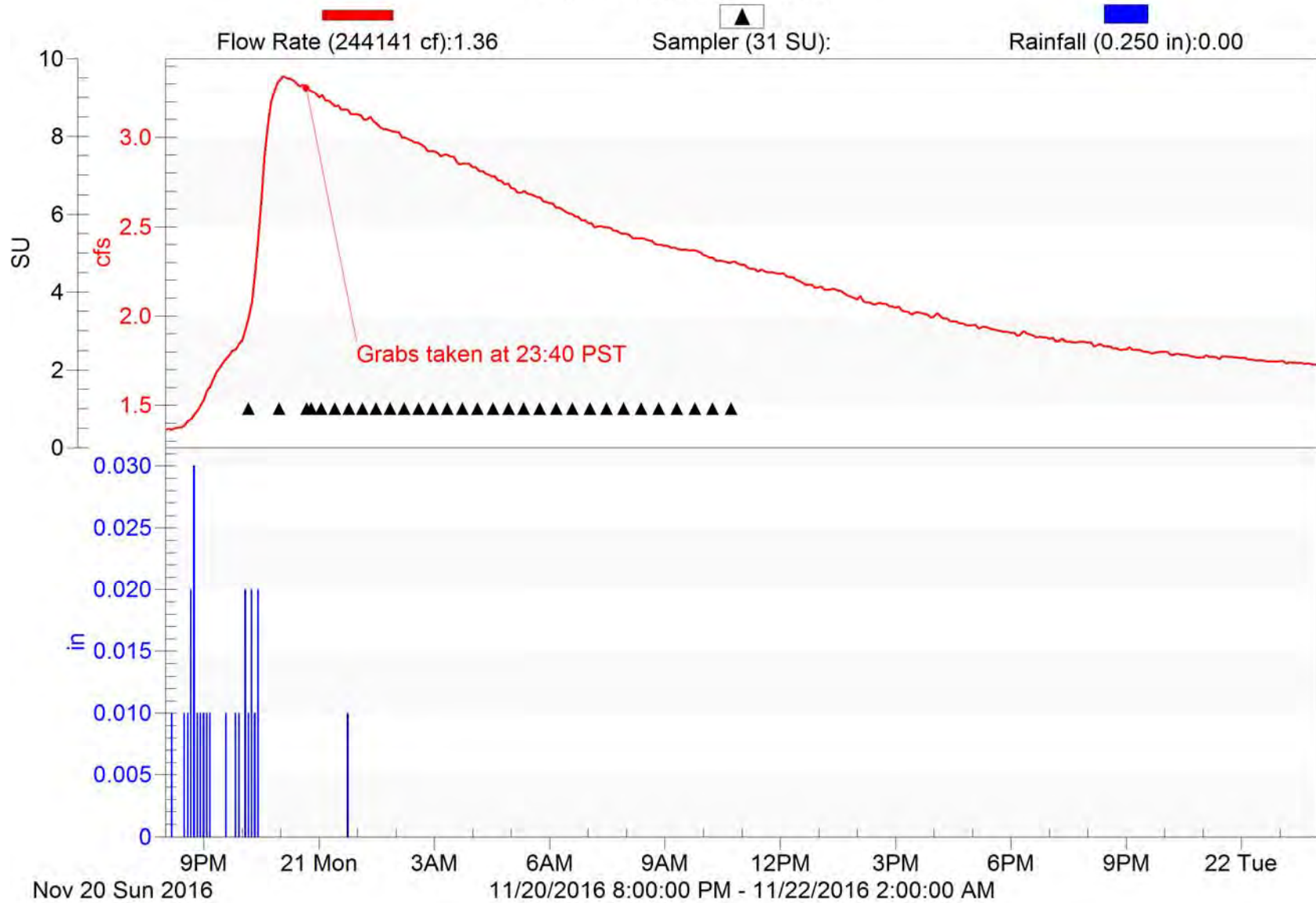
ME-VR2

2016/17 NPDES Event #1 (Wet)



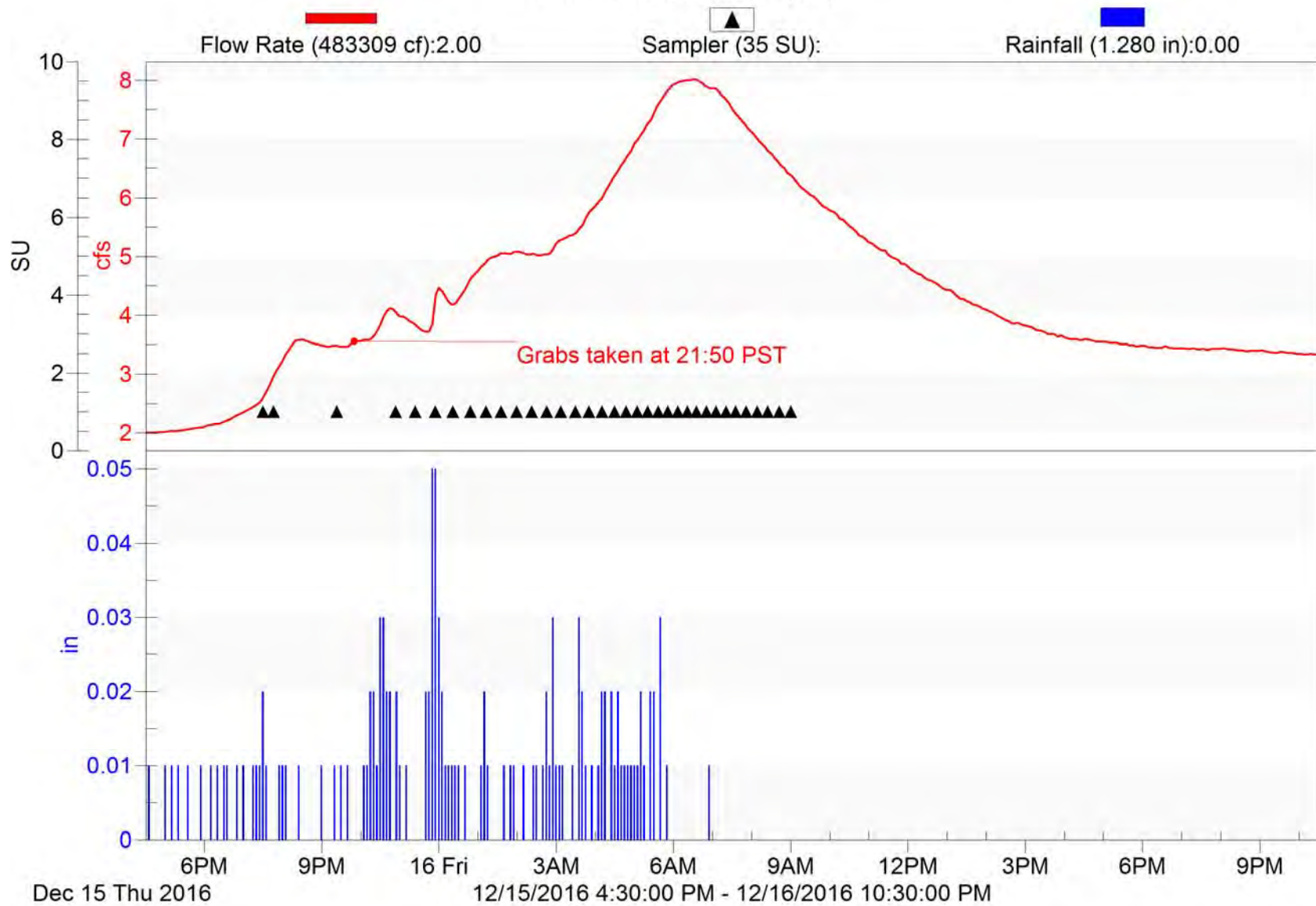
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2016/17 NPDES Event #2 (Wet)



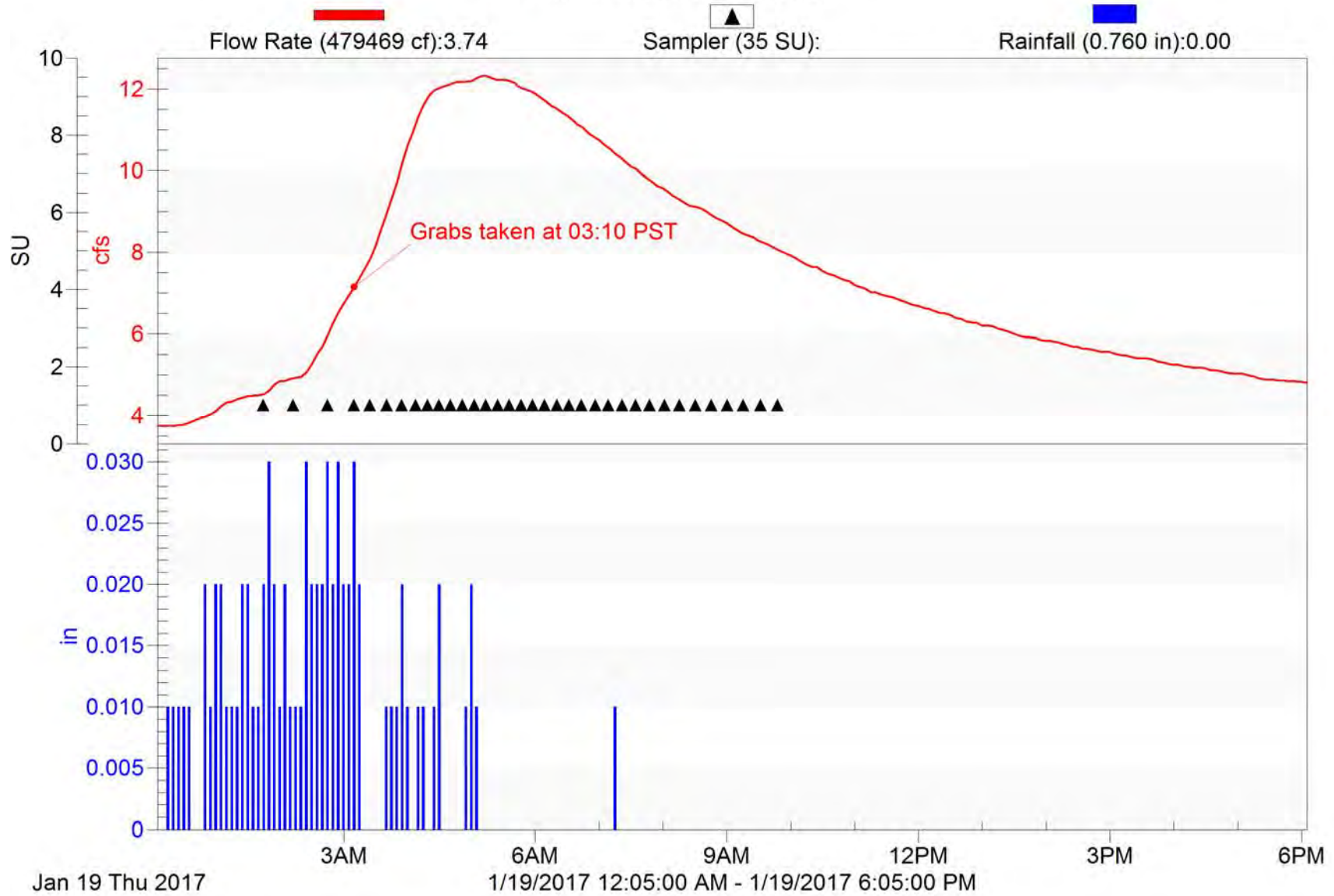
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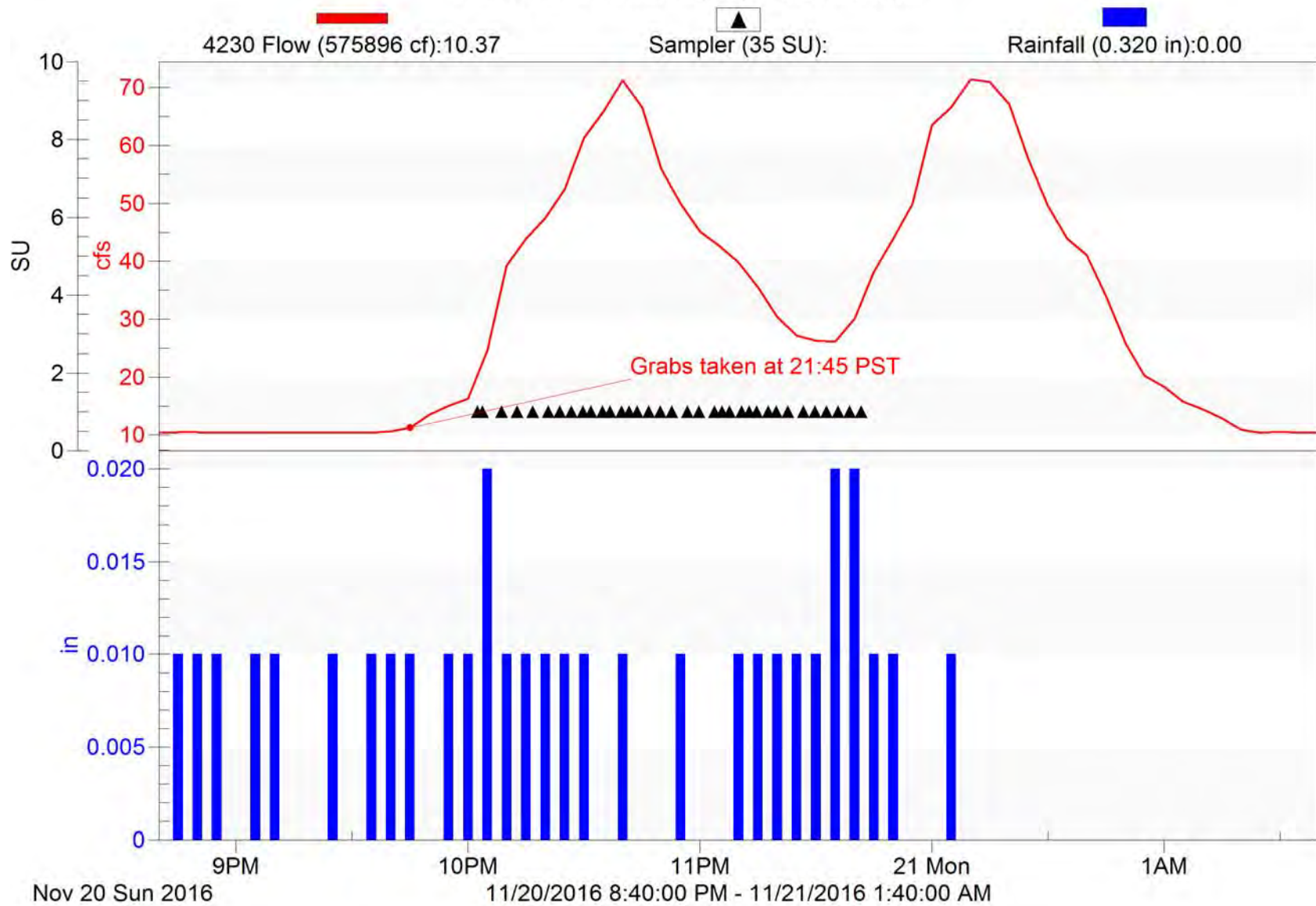
ME-VR2

2016/17 NPDES Event #5 (Wet)



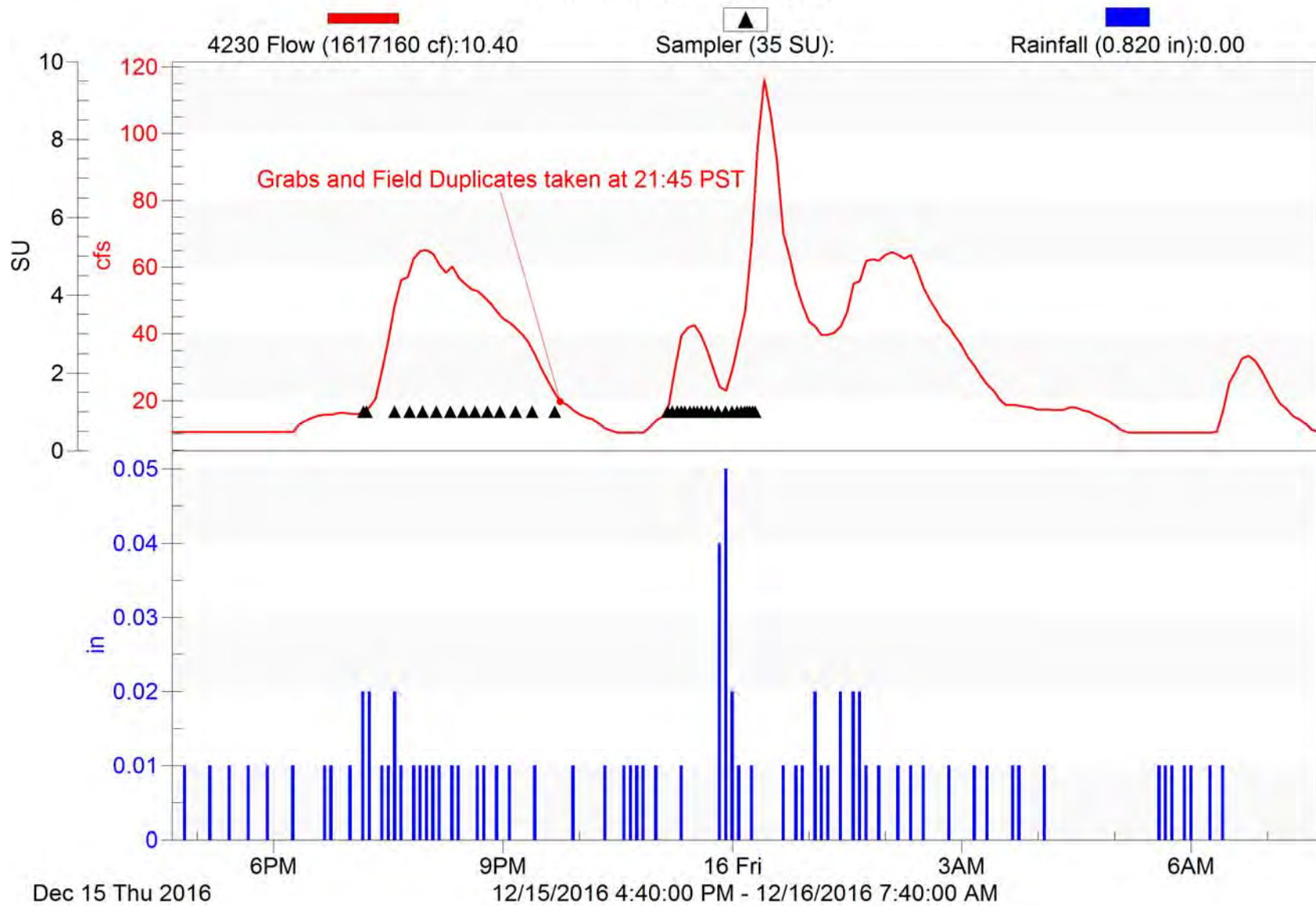
Camarillo-1

2016/17 NPDES Event #2 (Wet) - First Flush Event



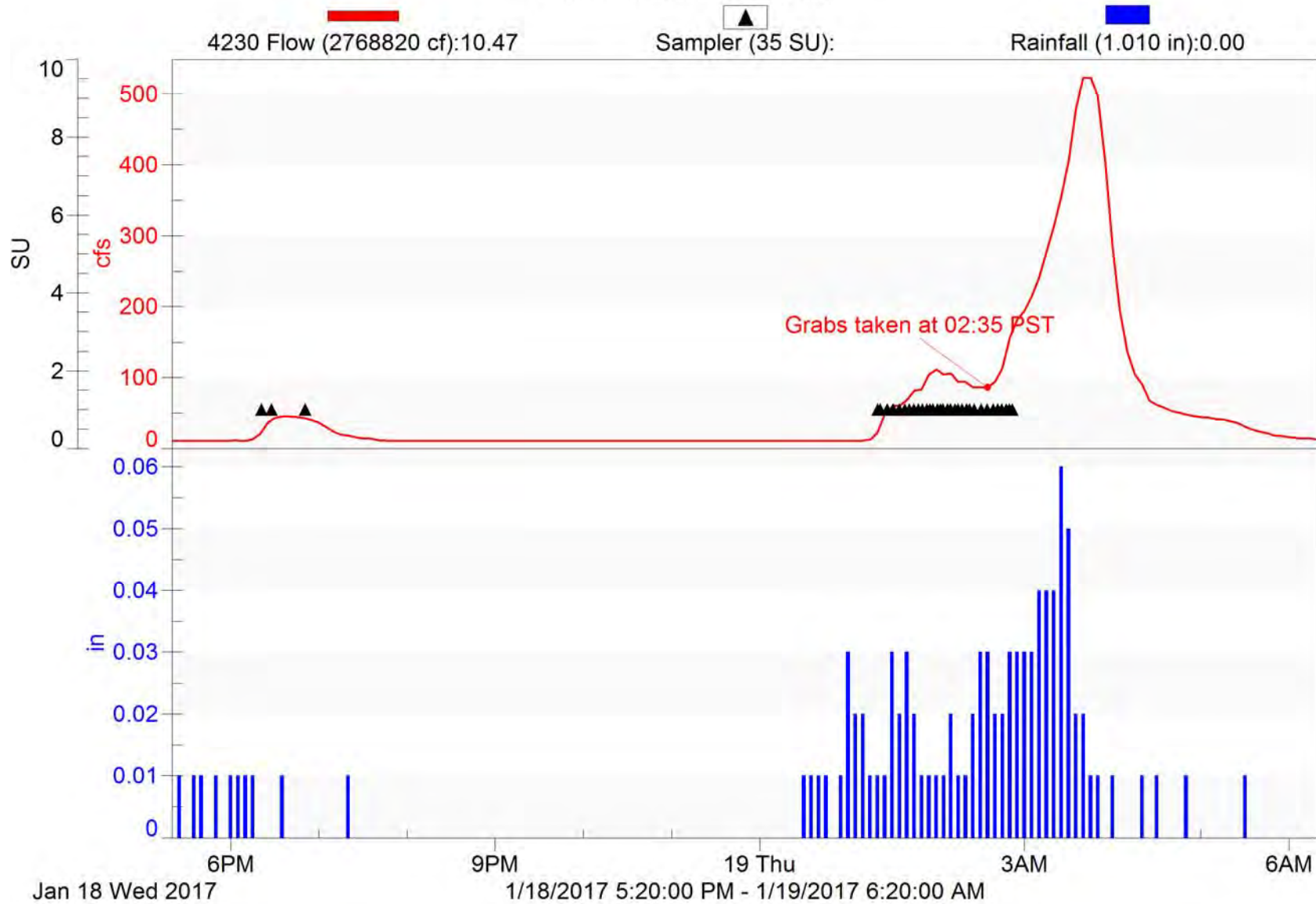
Camarillo-1

2016/17 NPDES Event #3 (Wet)



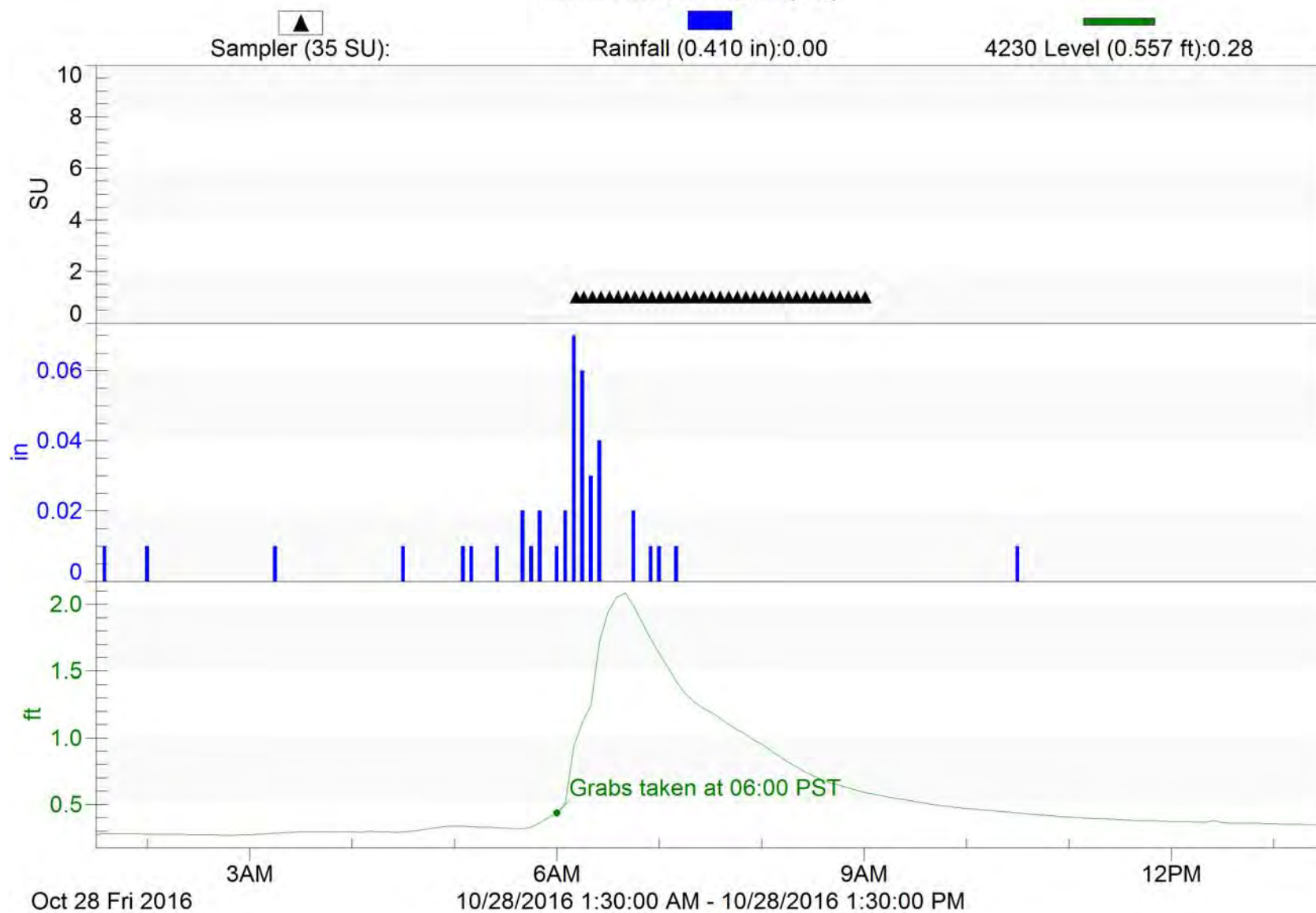
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2016/17 NPDES Event #5 (Wet)



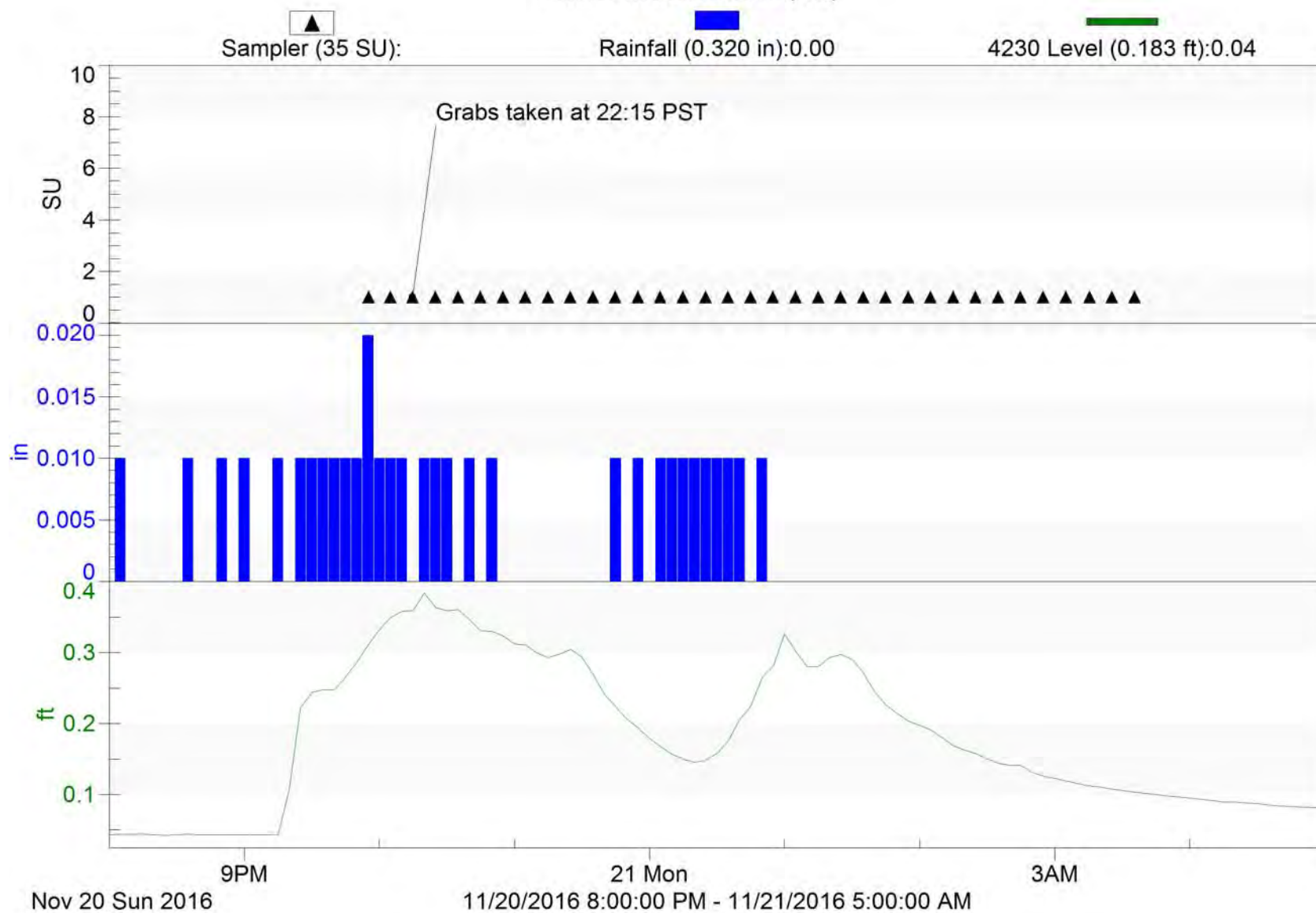
Fillmore-1

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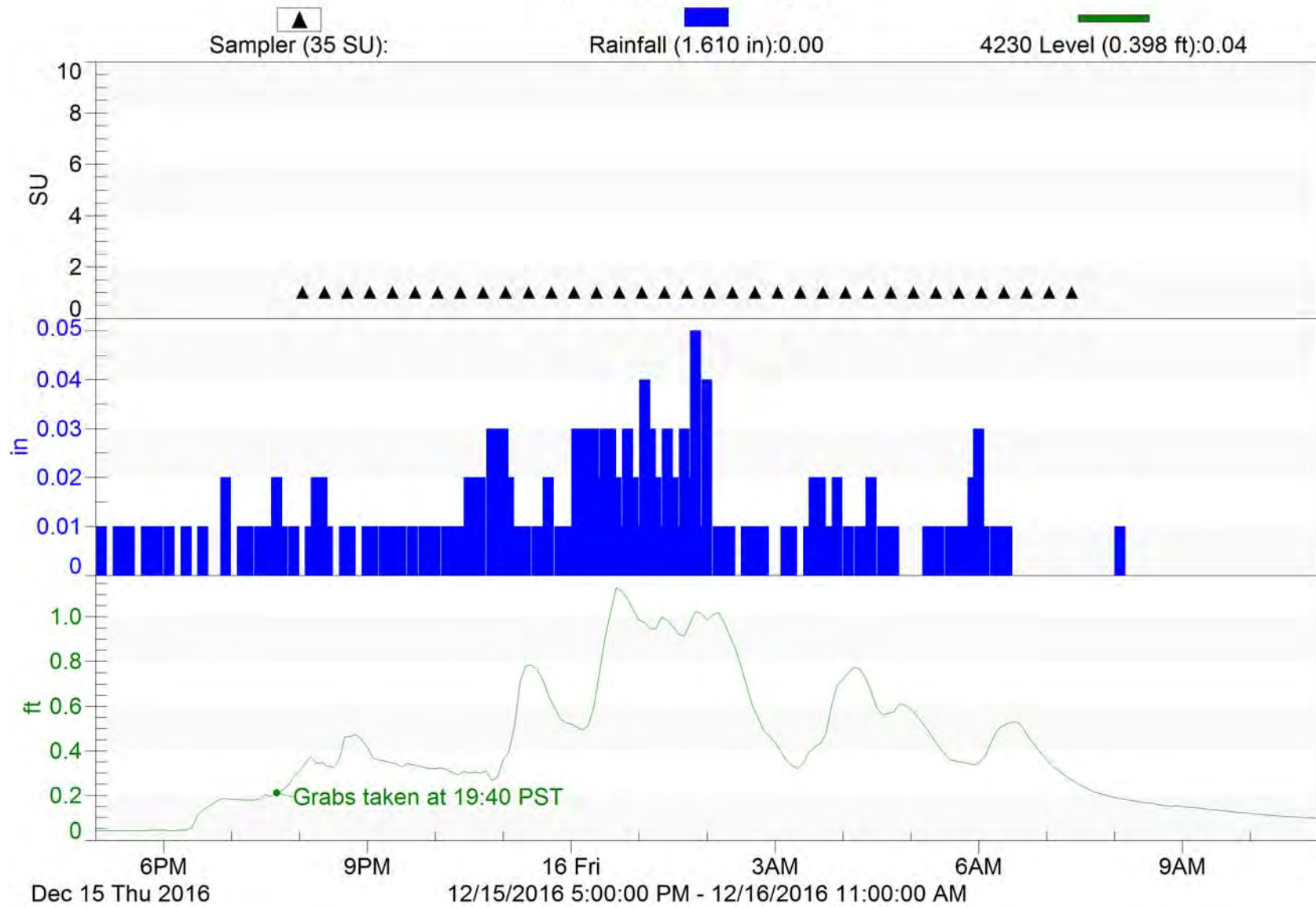
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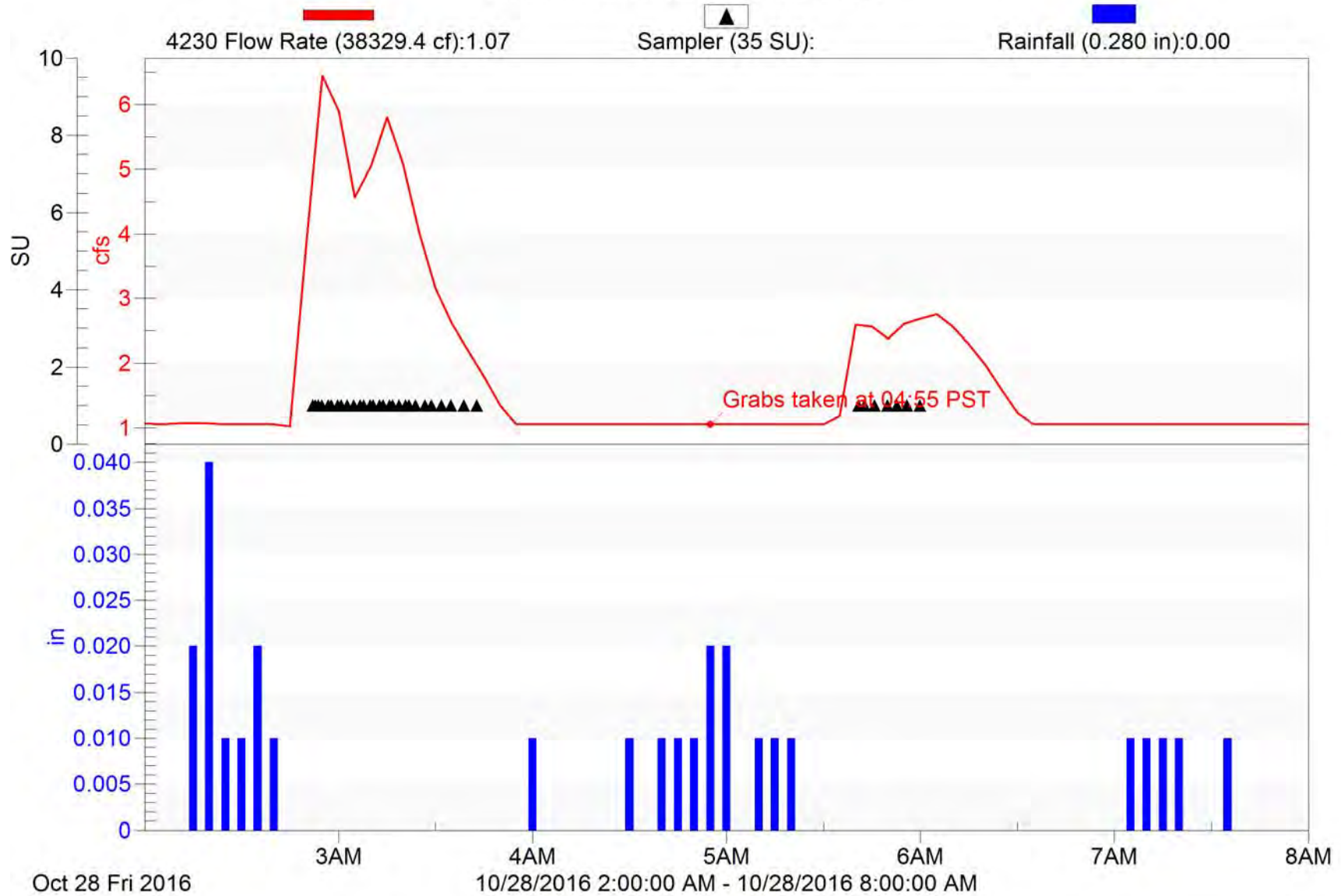
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2016/17 NPDES Event #3 (Wet)



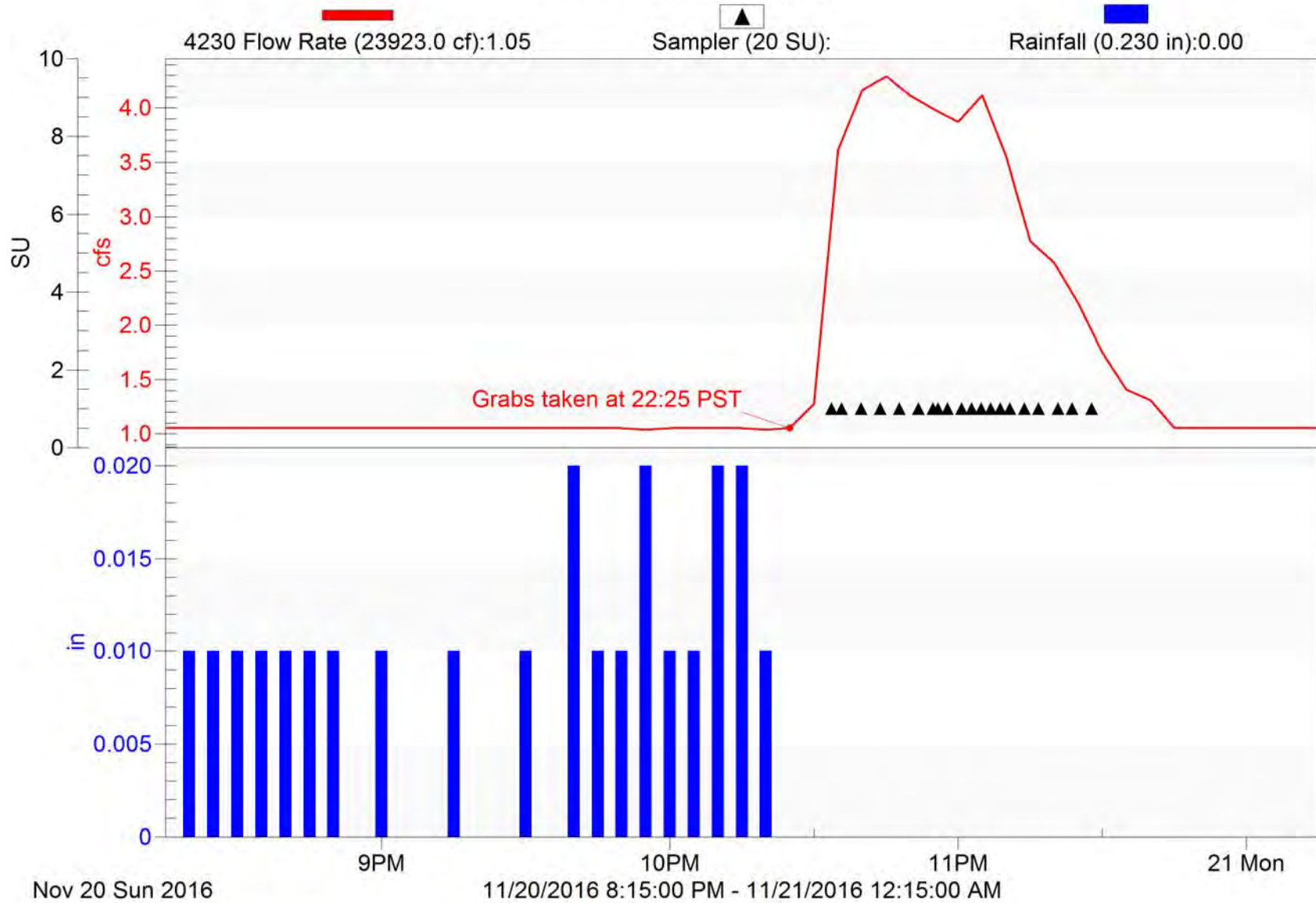
Meiners Oaks-1

2016/17 NPDES Event #1 (Wet) First Flush



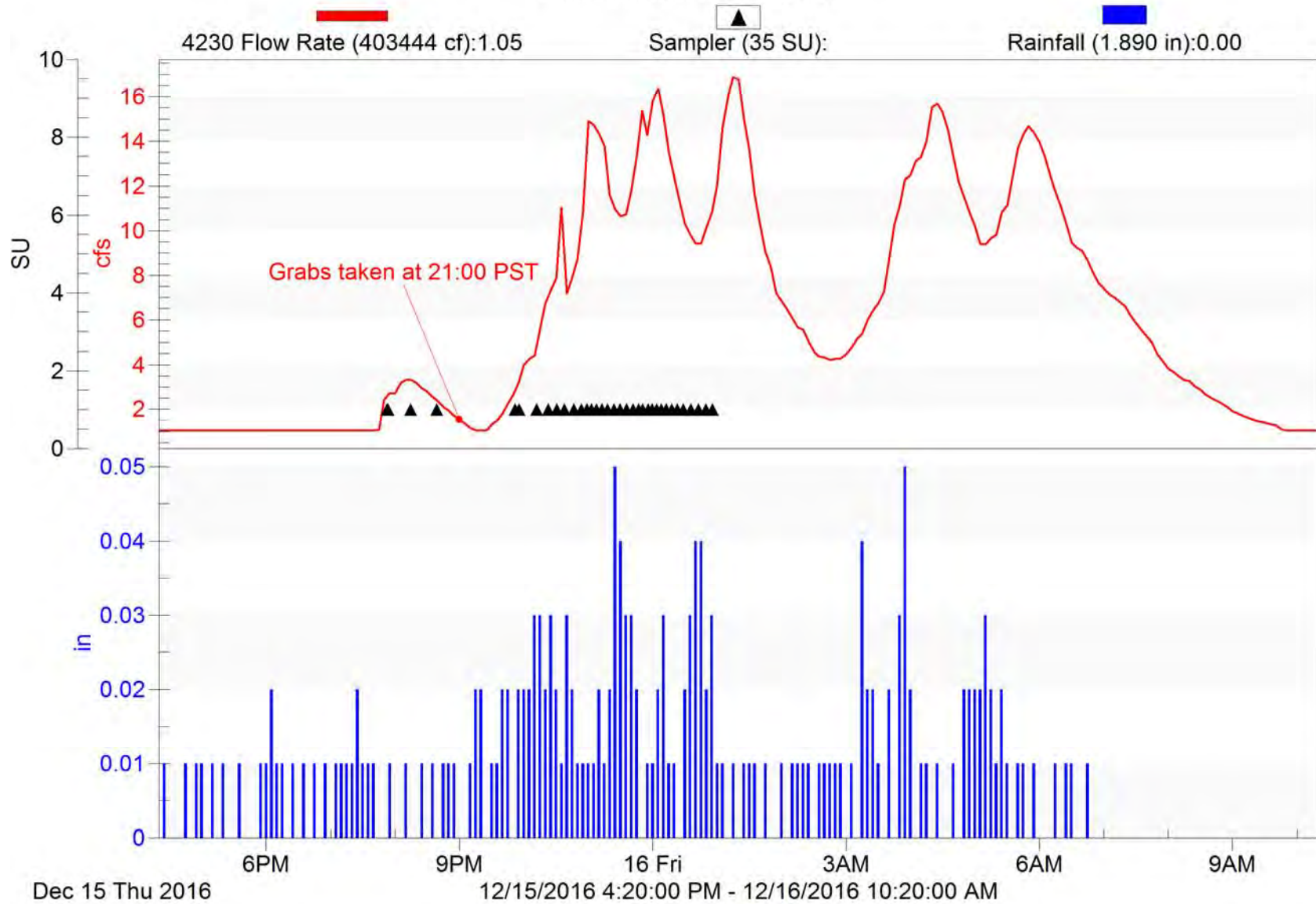
Meiners Oaks-1

2016/17 NPDES Event #2 (Wet)



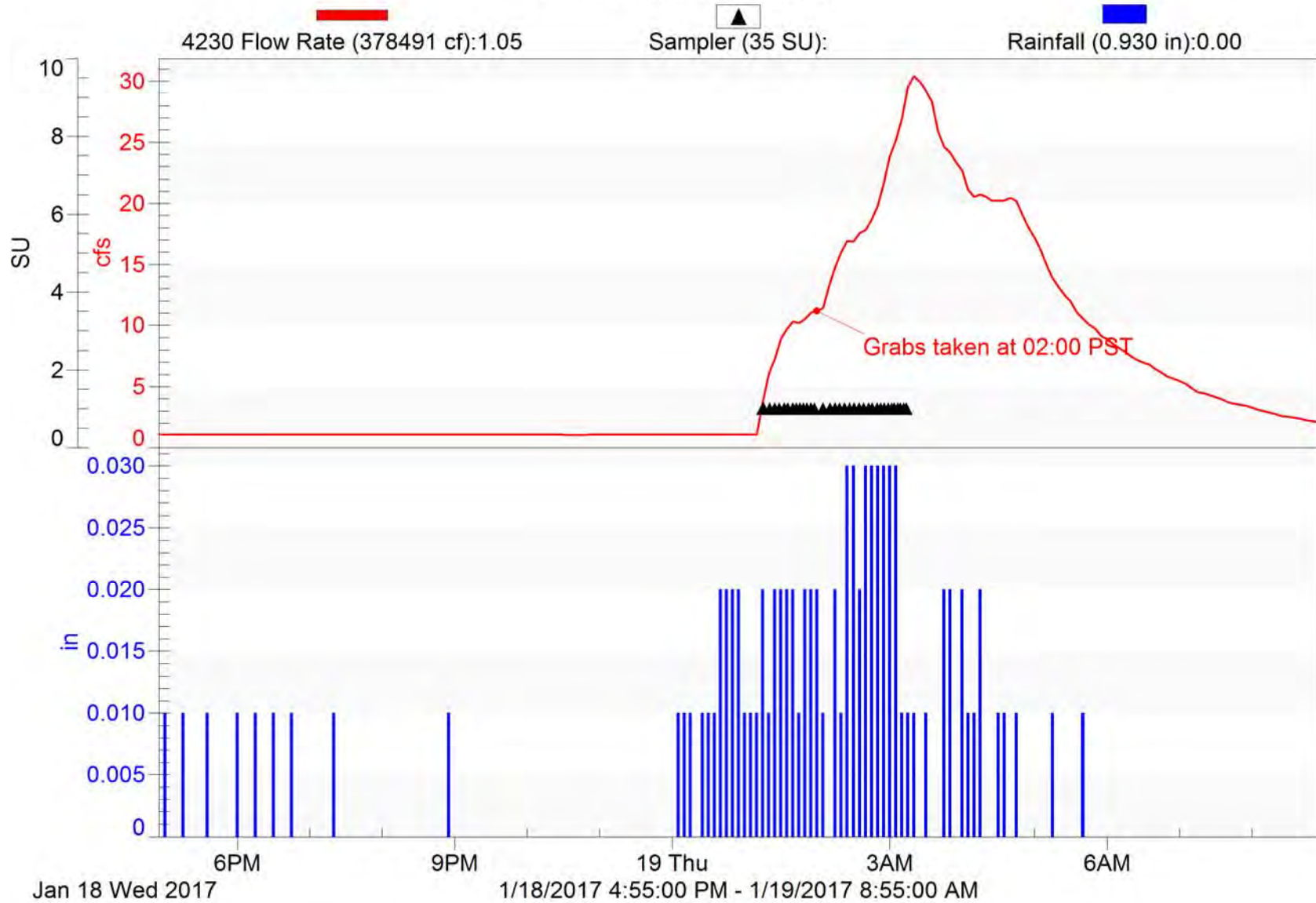
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2016/17 NPDES Event #3 (Wet)



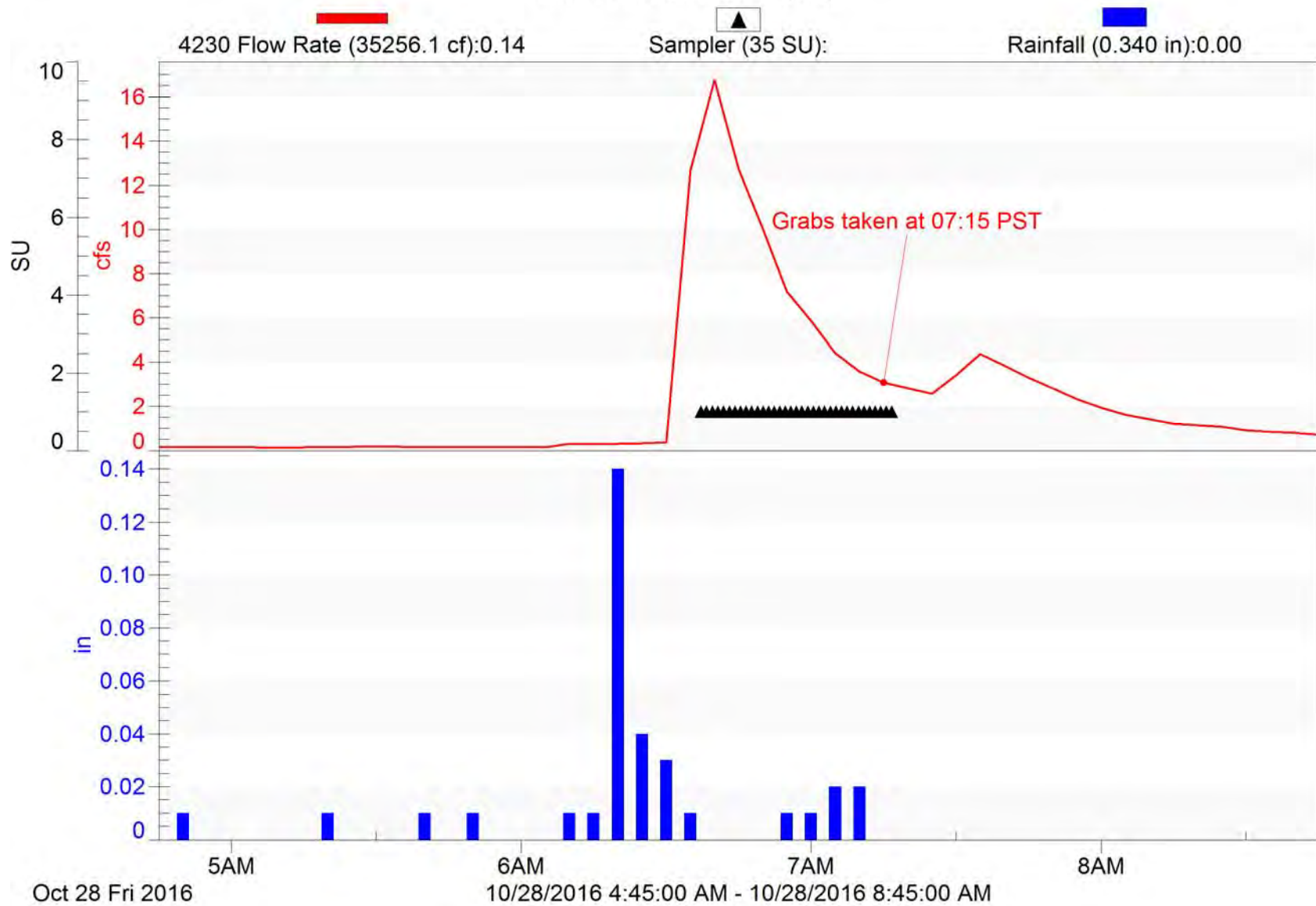
Meiners Oaks-1

2016/17 NPDES Event #5 (Wet)



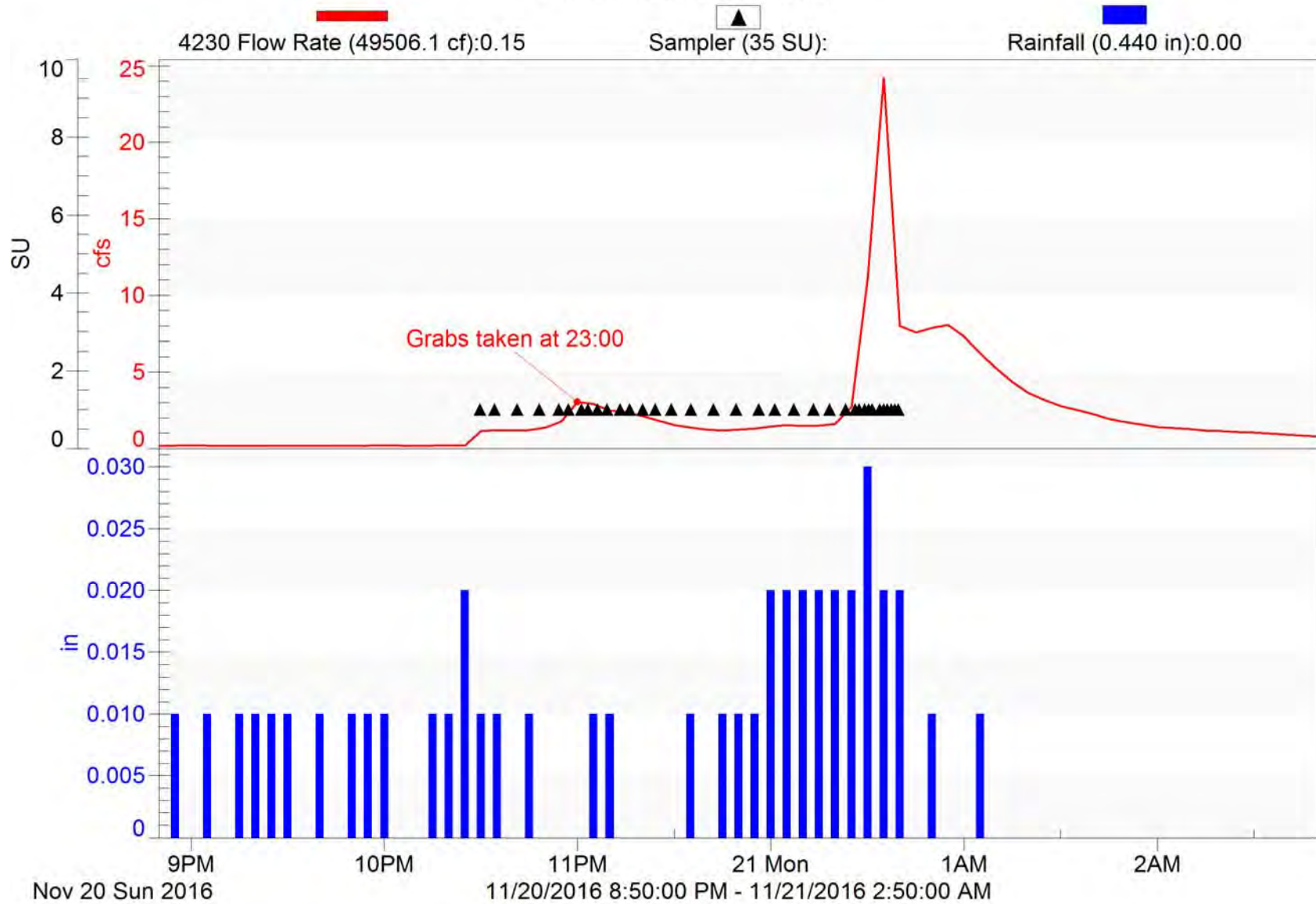
Moorpark-1

2016/17 NPDES Event #1 (Wet)



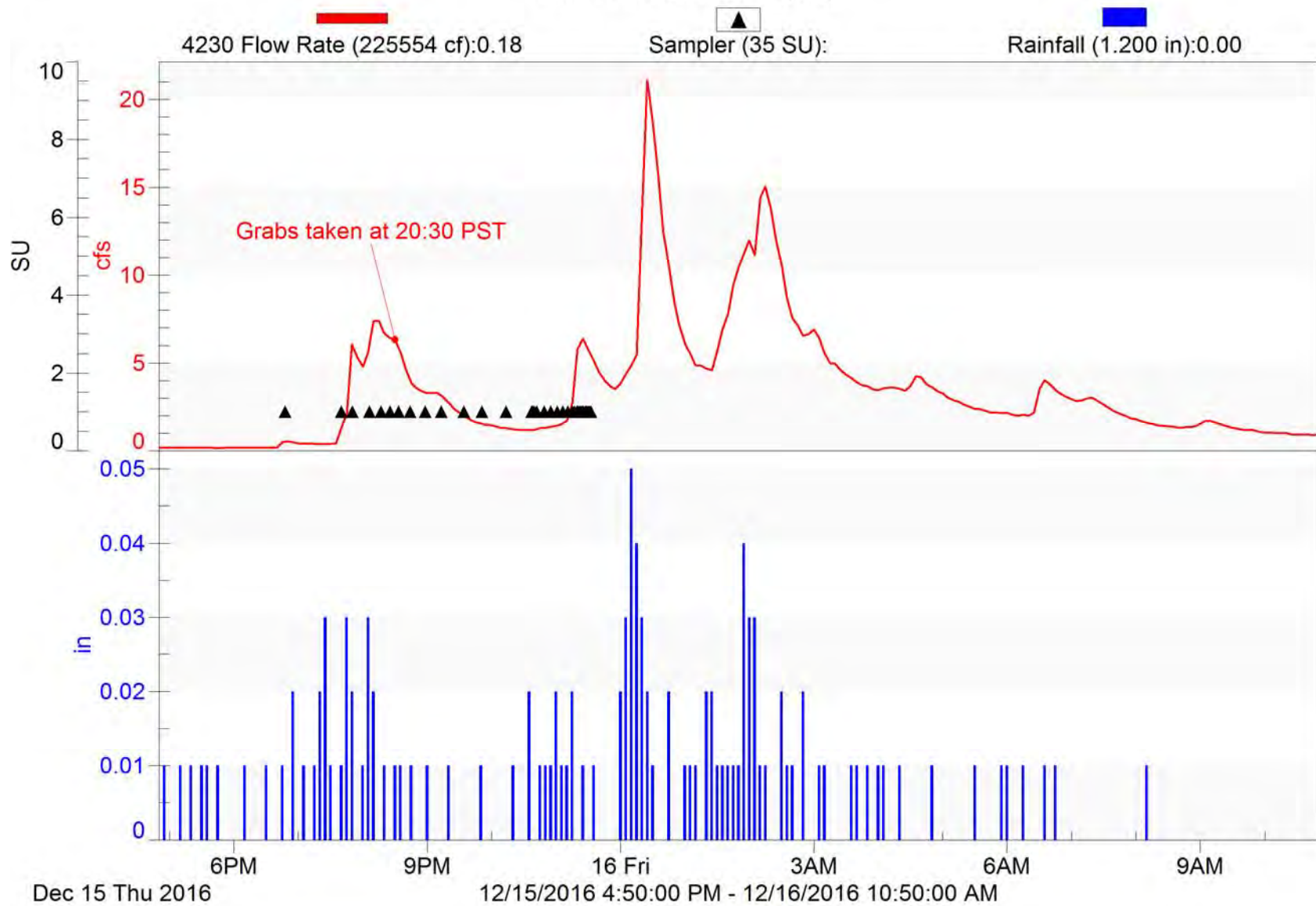
Moorpark-1

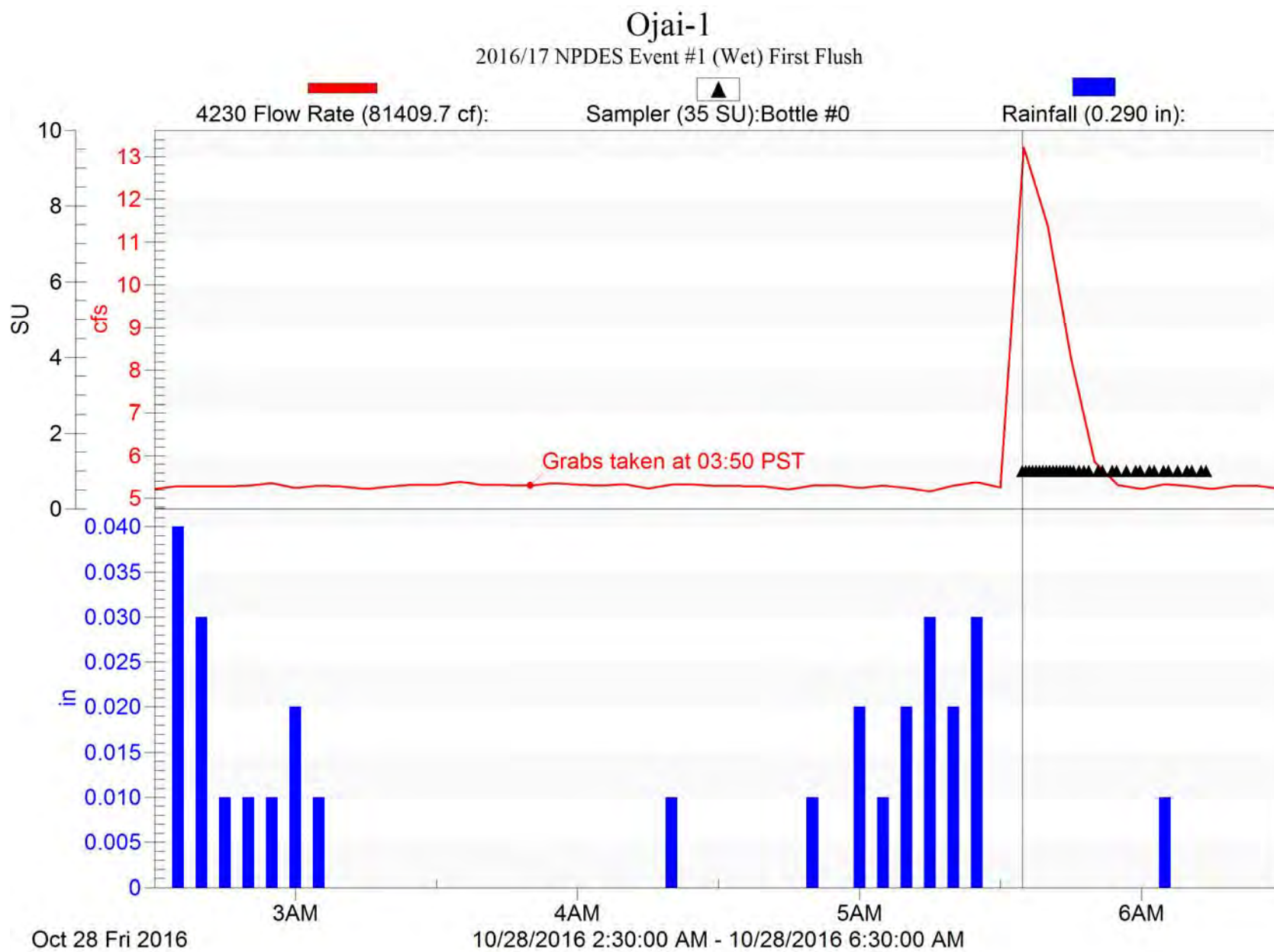
2016/17 NPDES Event #2 (Wet)



Moorpark-1

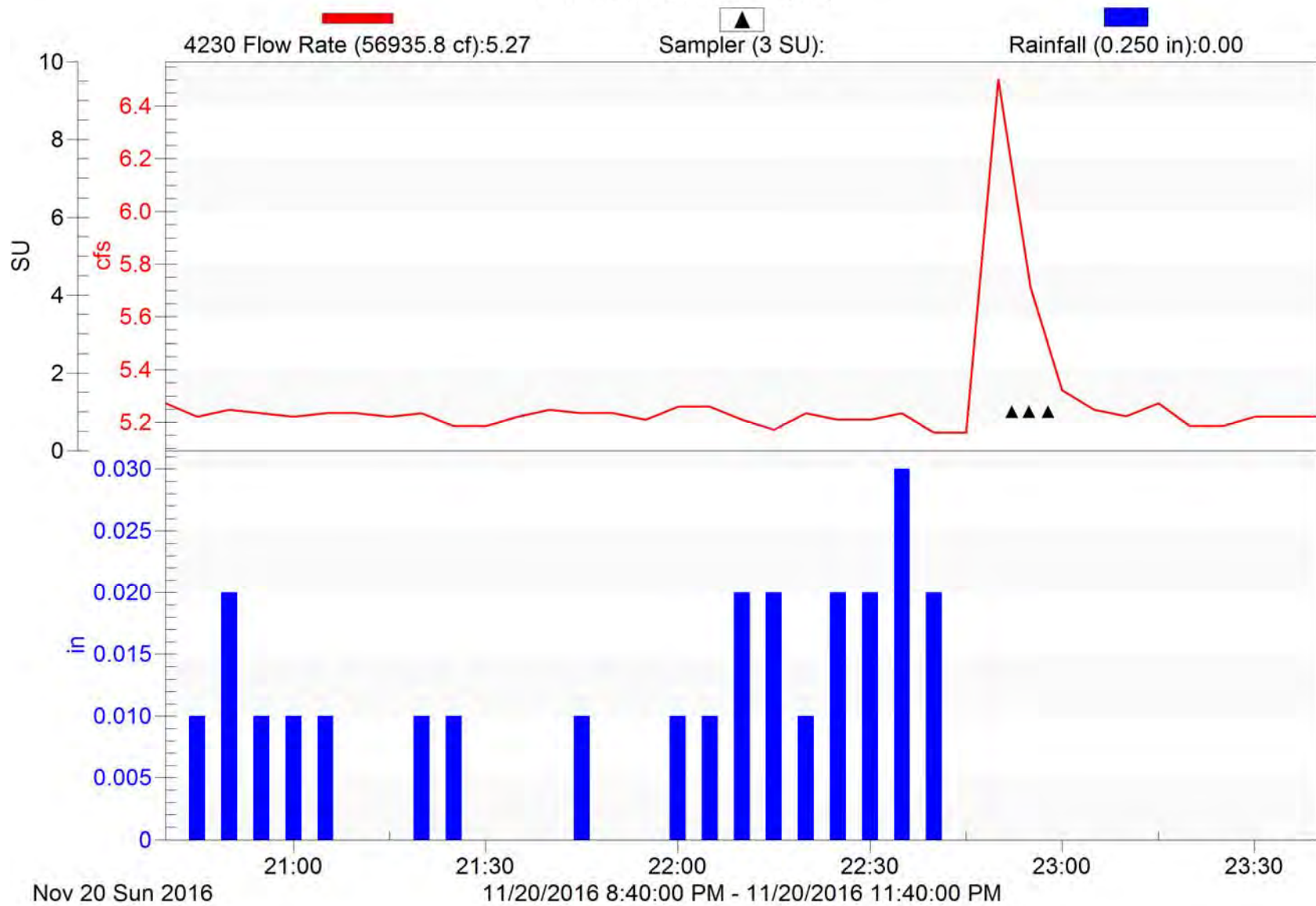
2016/17 NPDES Event #3 (Wet)





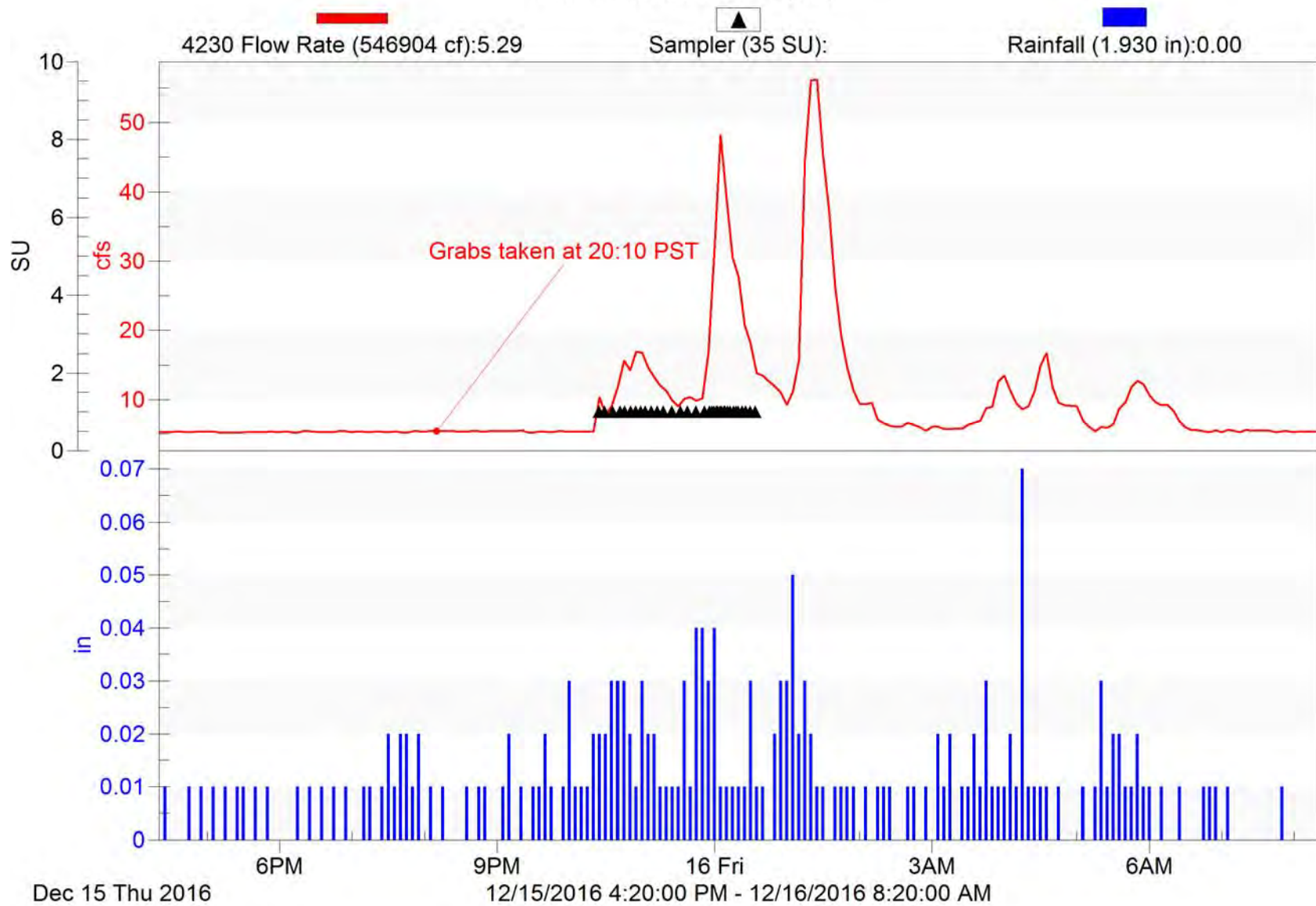
Ojai-1

2016/17 NPDES Event #2 (Wet)



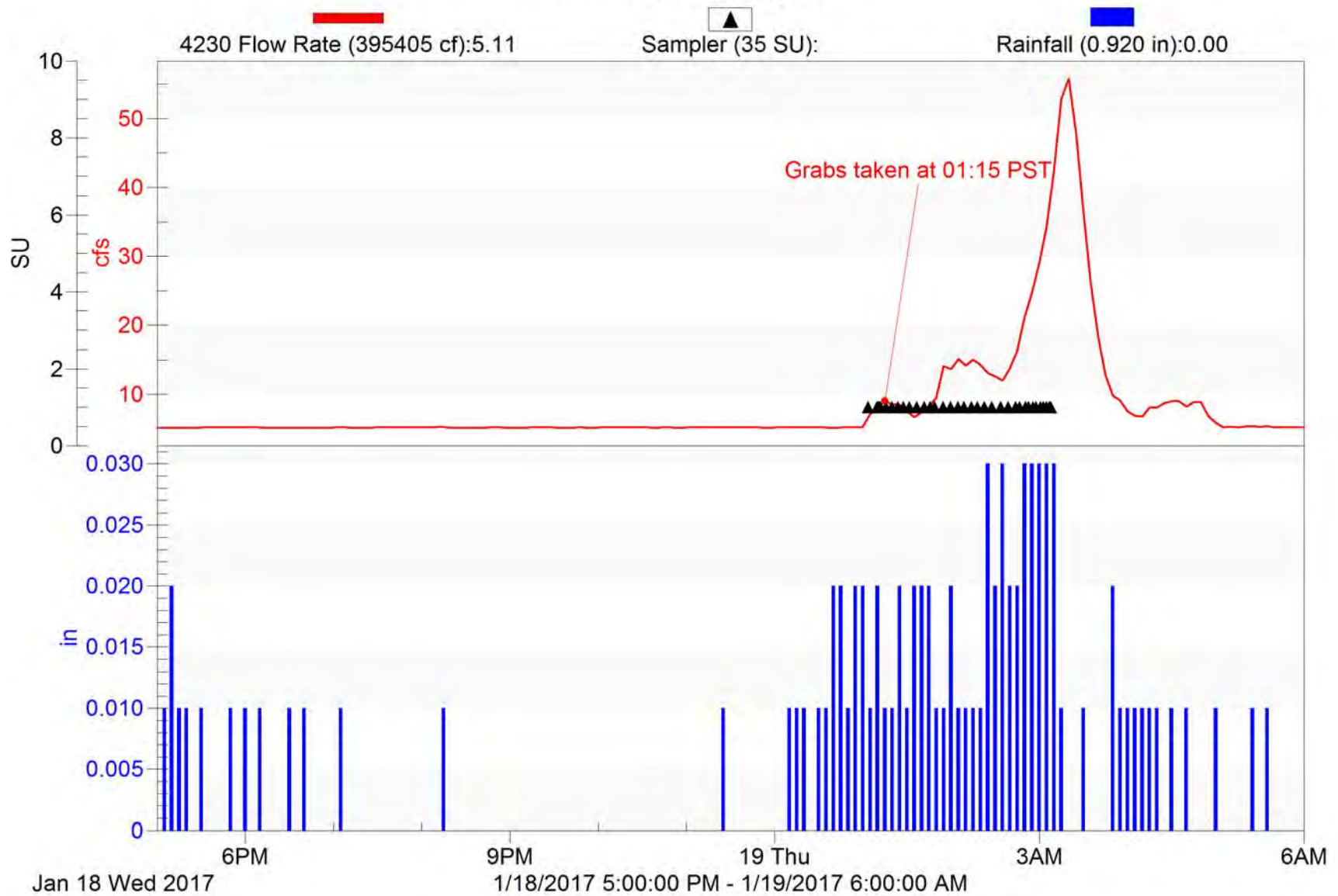
Ojai-1

2016/17 NPDES Event #3 (Wet)



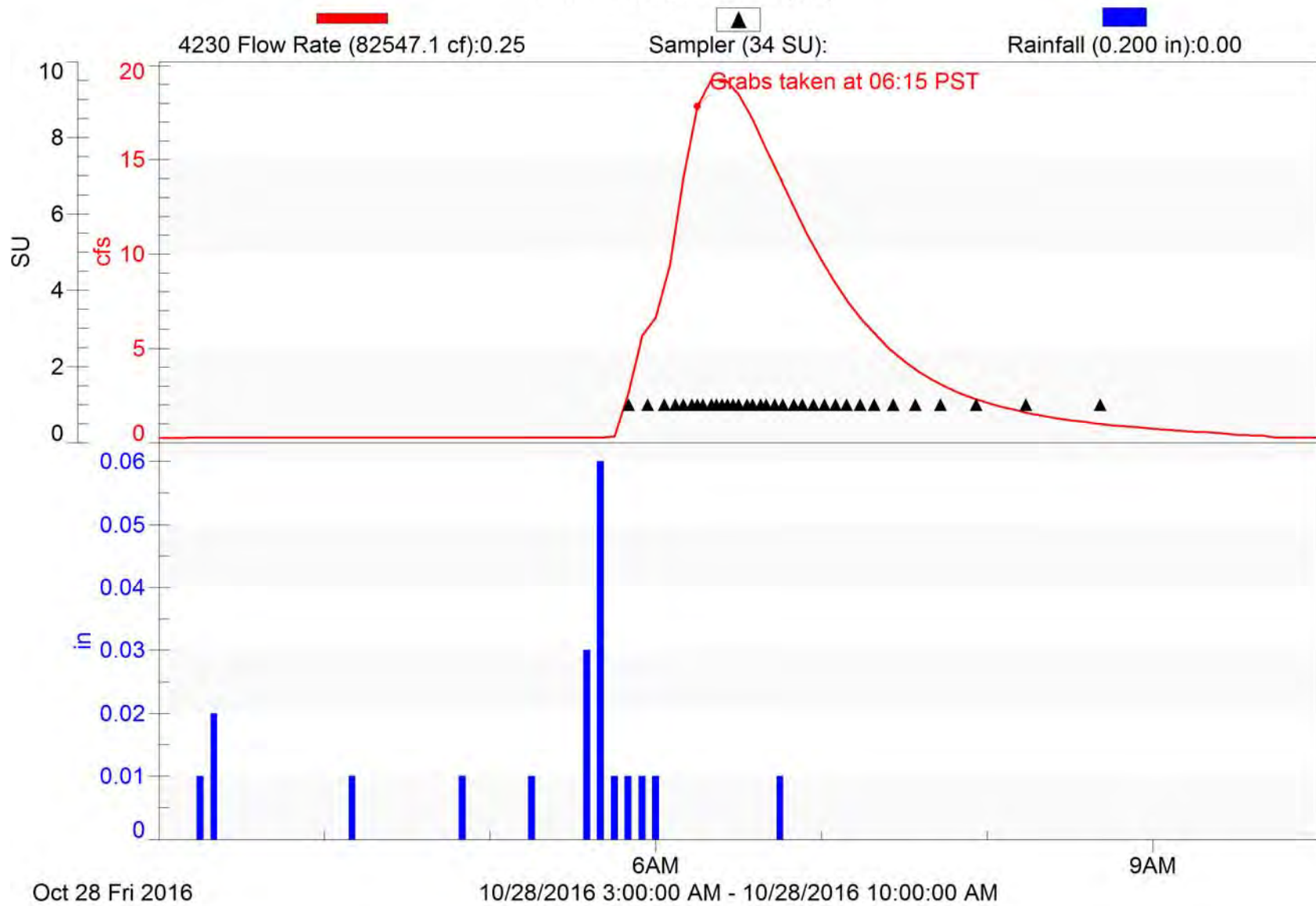
Ojai-1

2016/17 NPDES Event #5 (Wet)



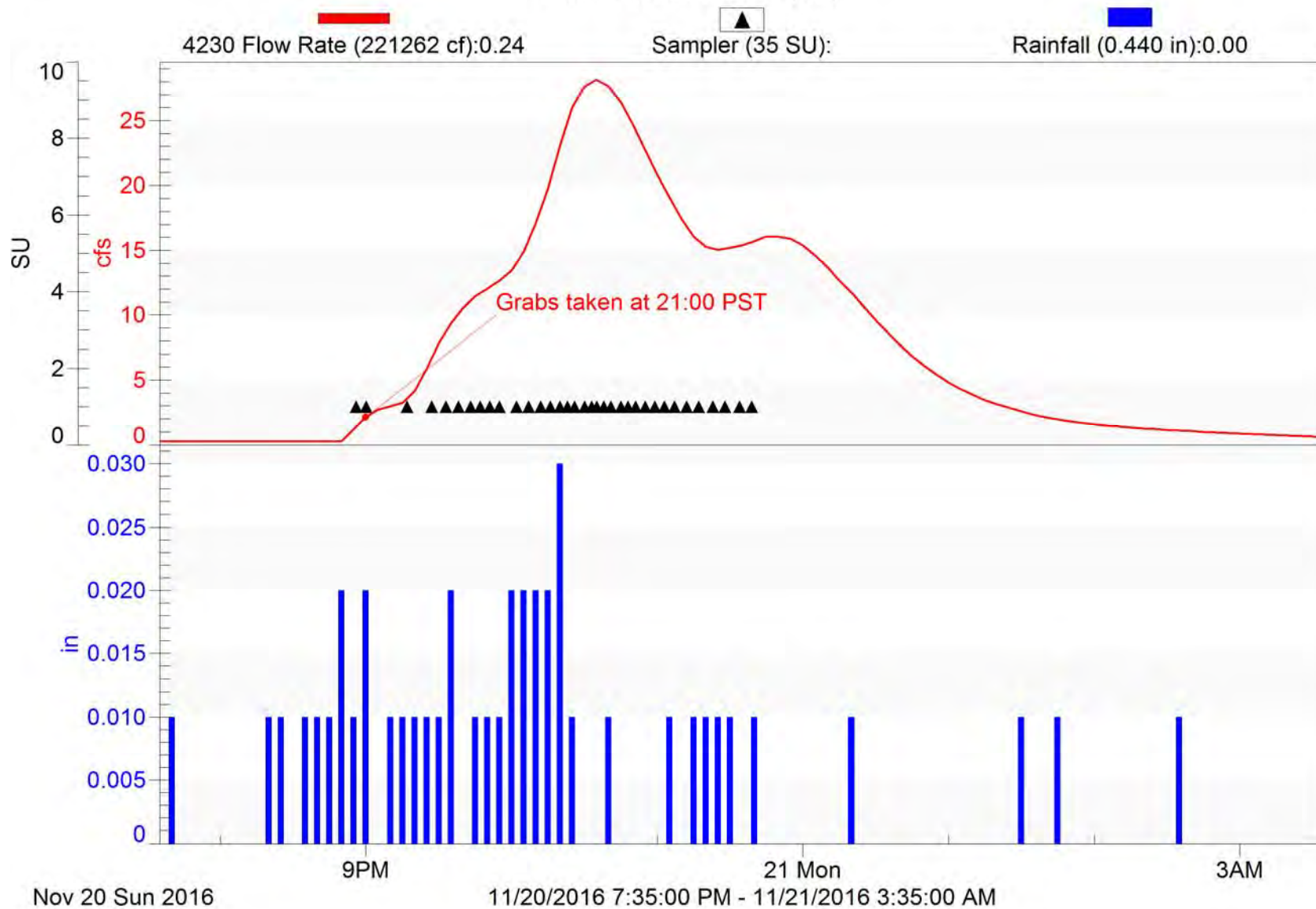
Oxnard-1

2016/17 NPDES Event #1 (Wet)



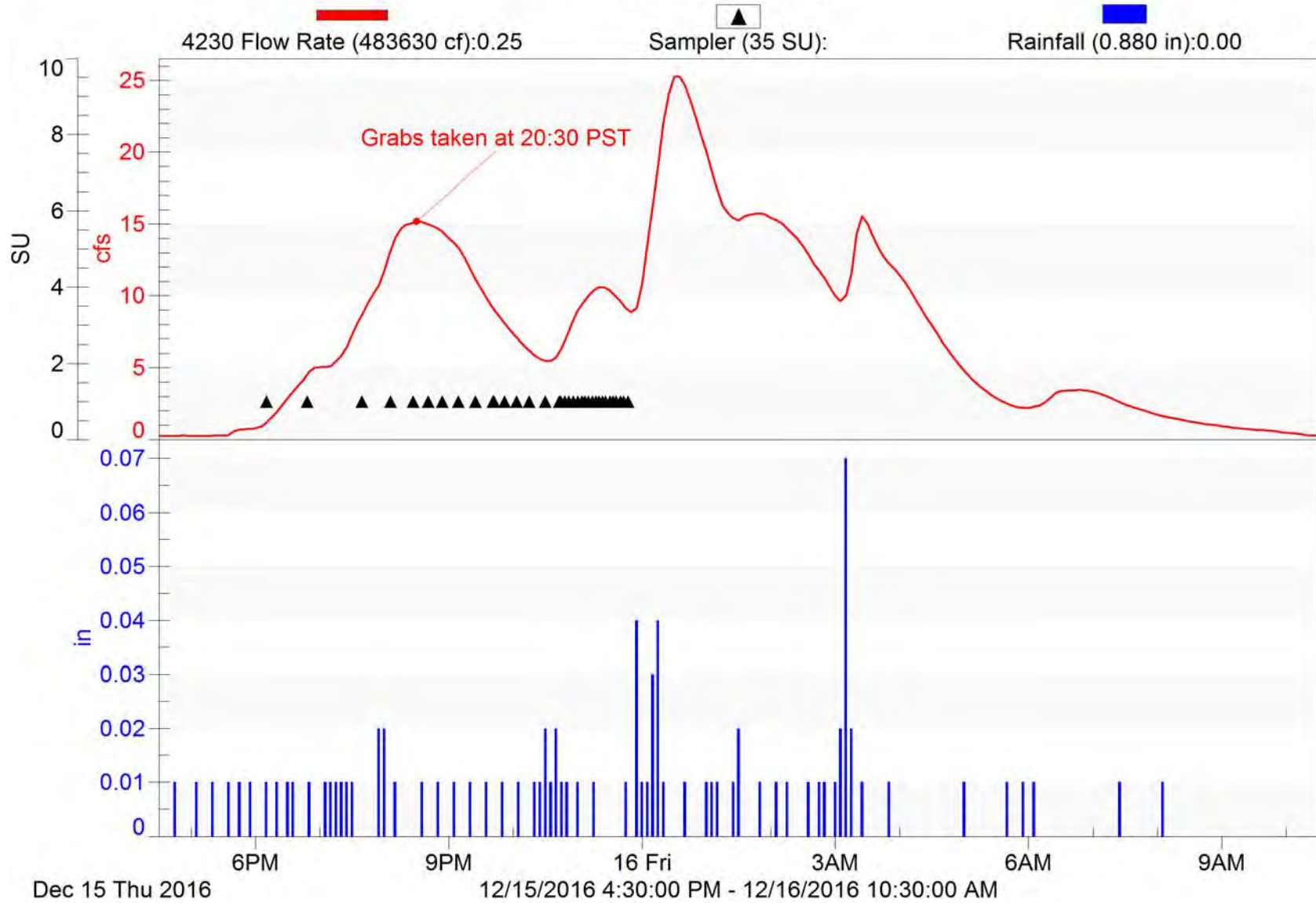
Oxnard-1

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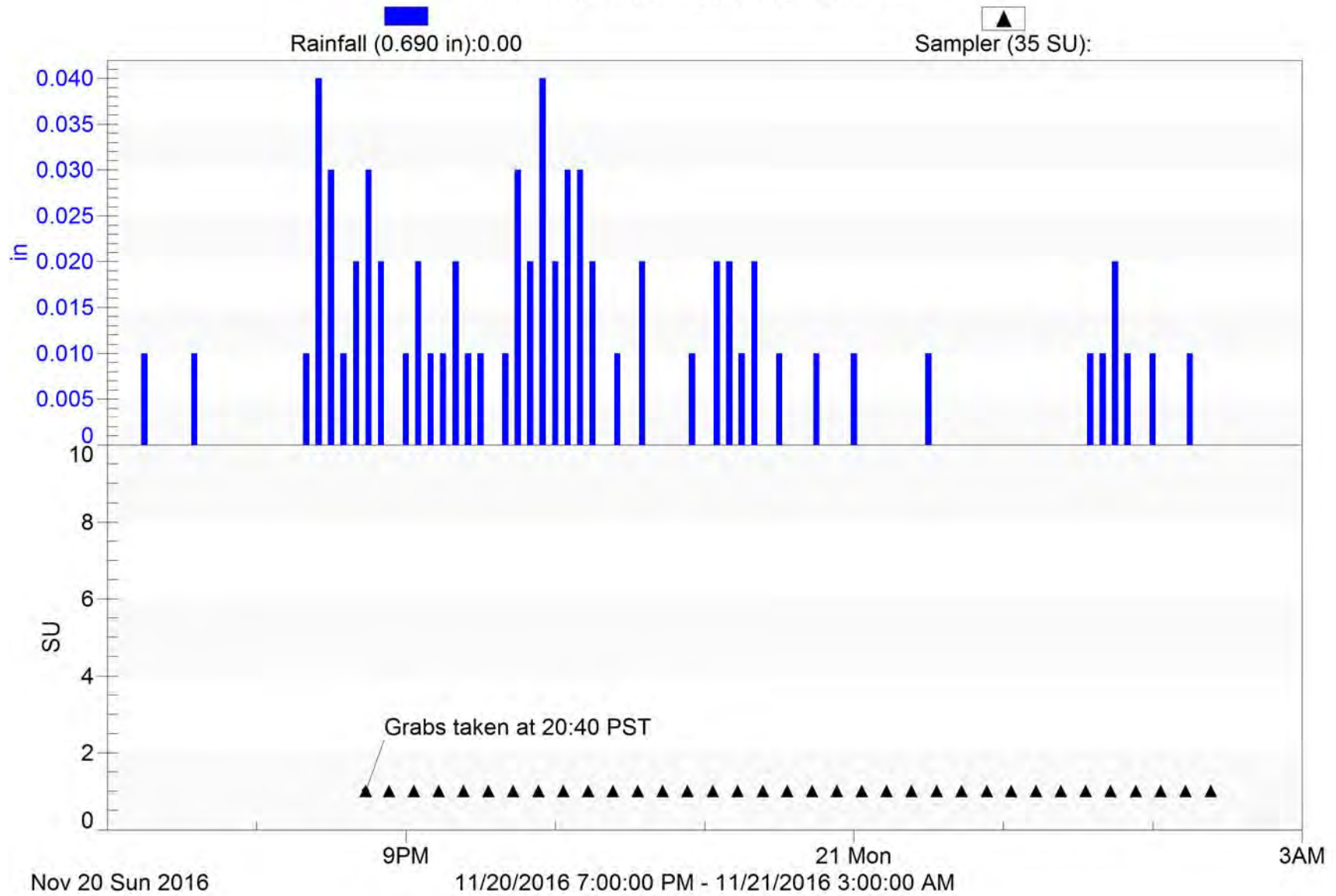
Oxnard-1

2016/17 NPDES Event #3 (Wet)

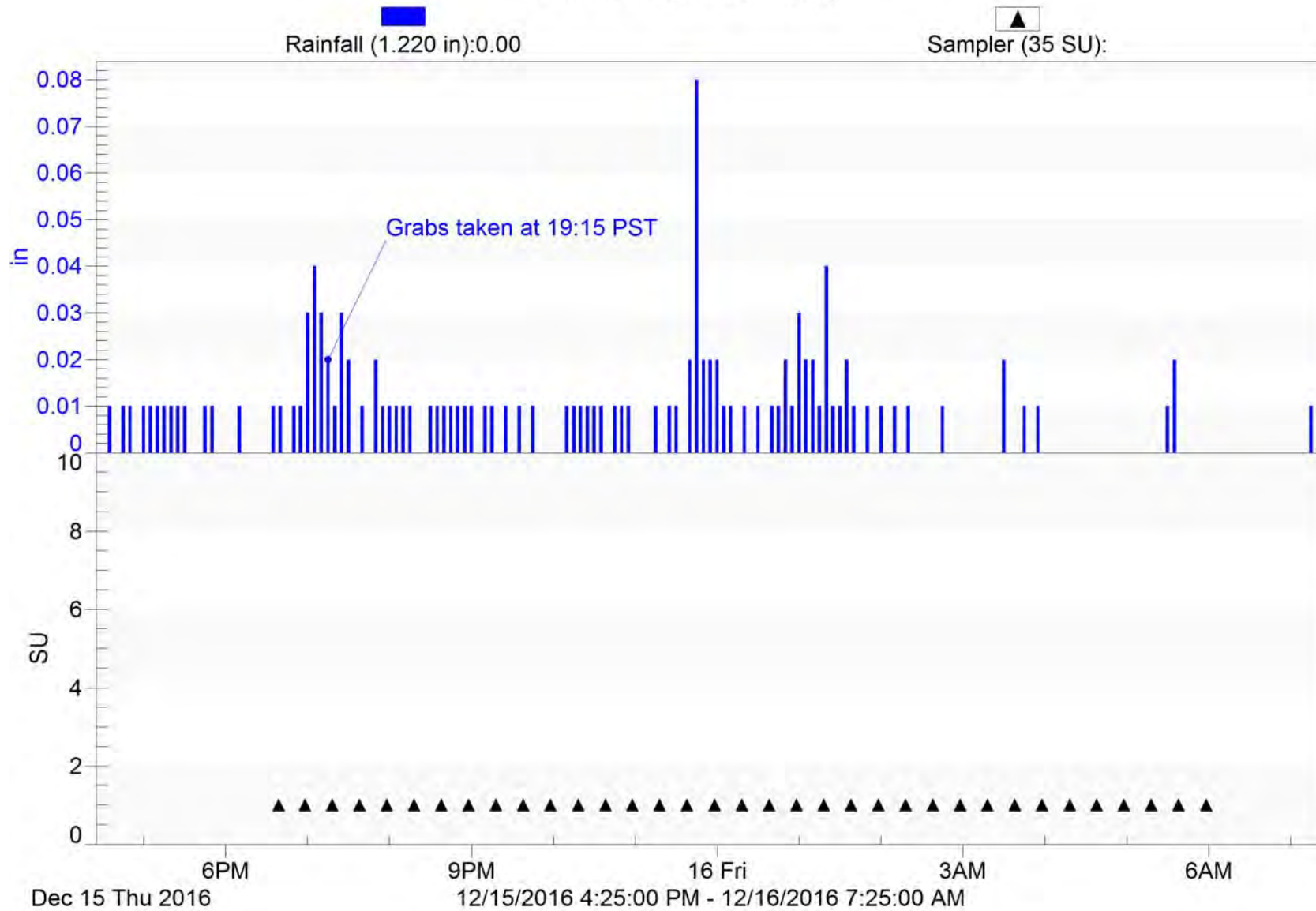


Port Hueneme-1

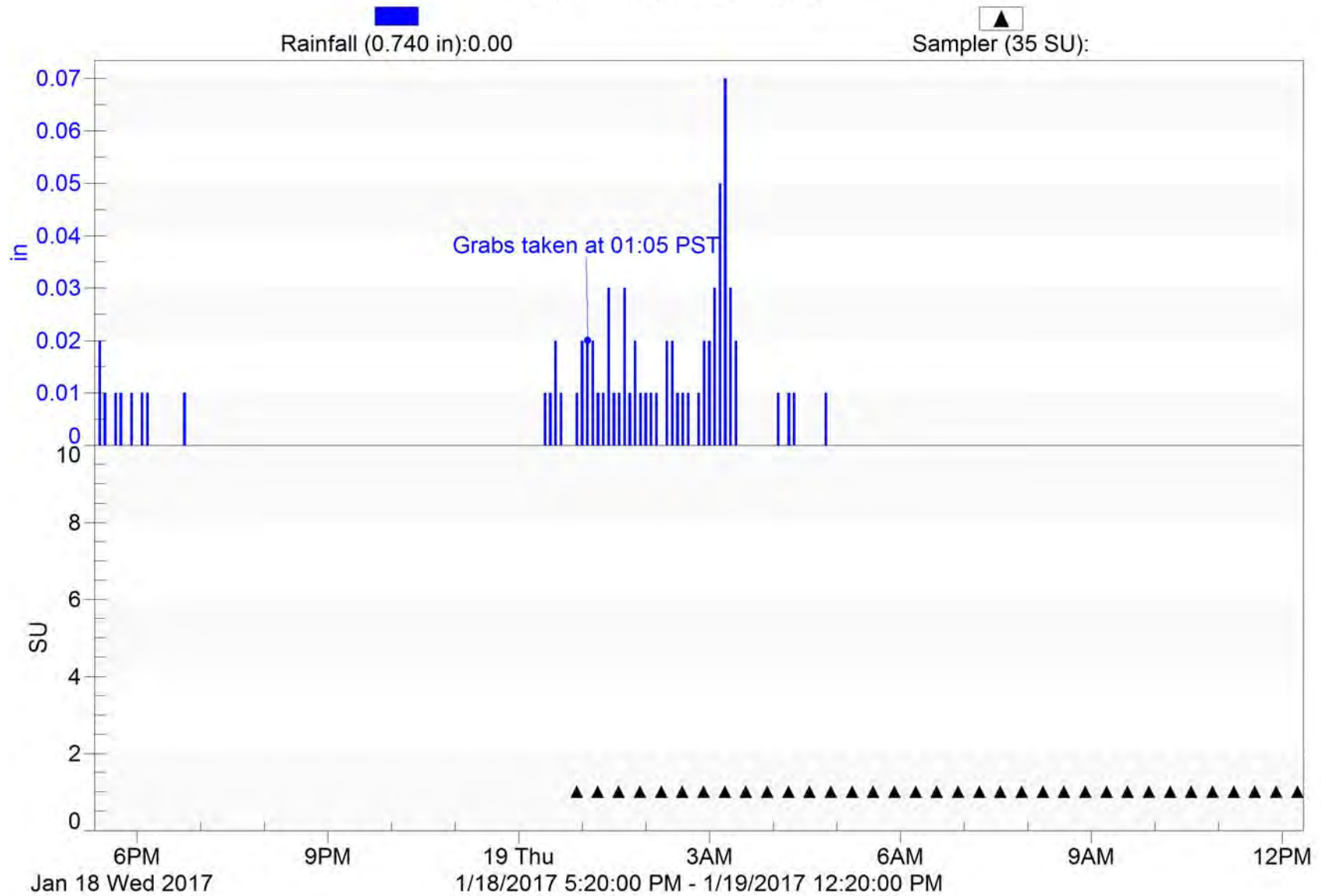
2016/17 NPDES Event #2 (Wet) First Flush Event



2016/17 NPDES Event #3 (Wet)

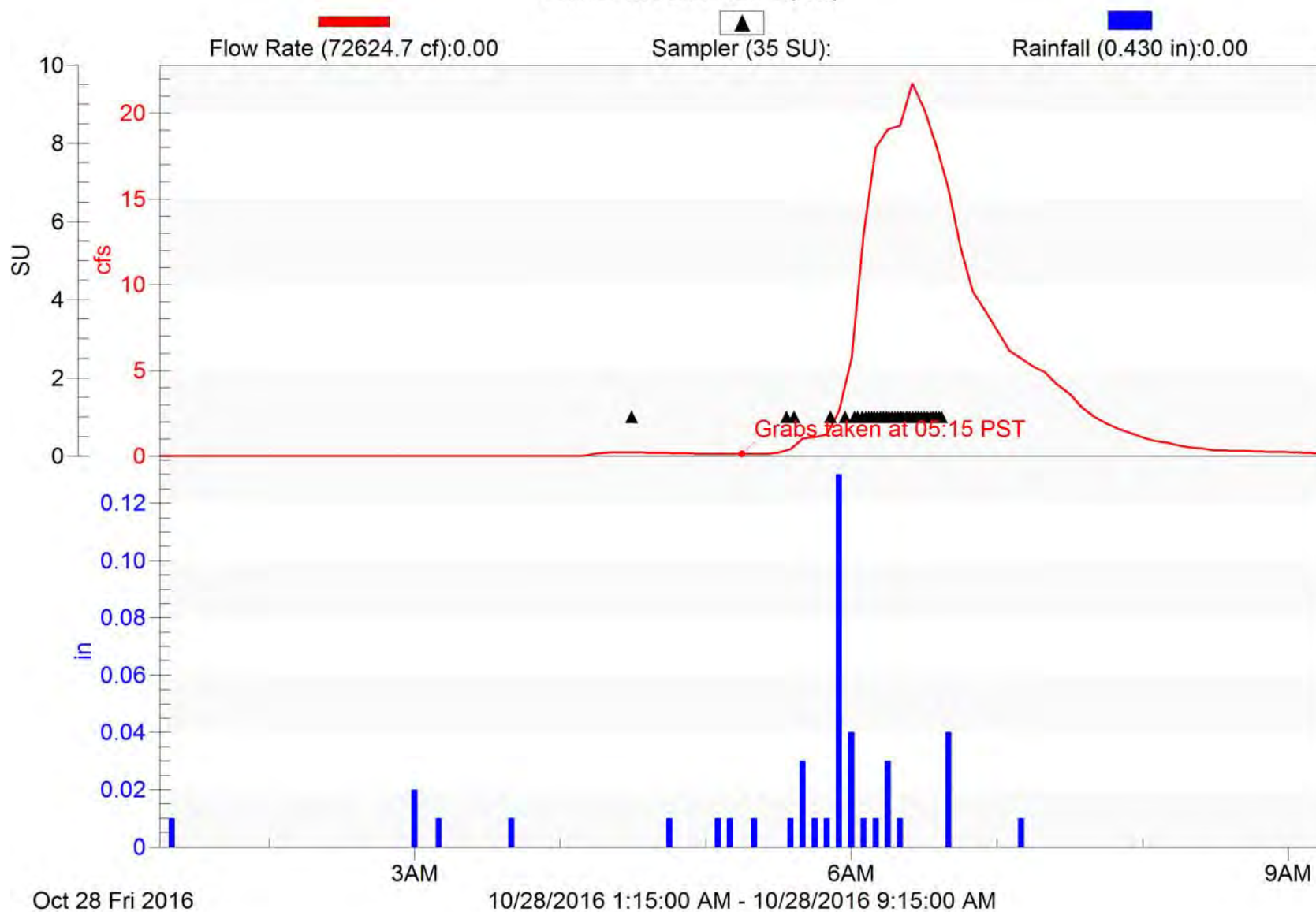


Port Hueneme-1
2016/17 NPDES Event #5 (Wet)



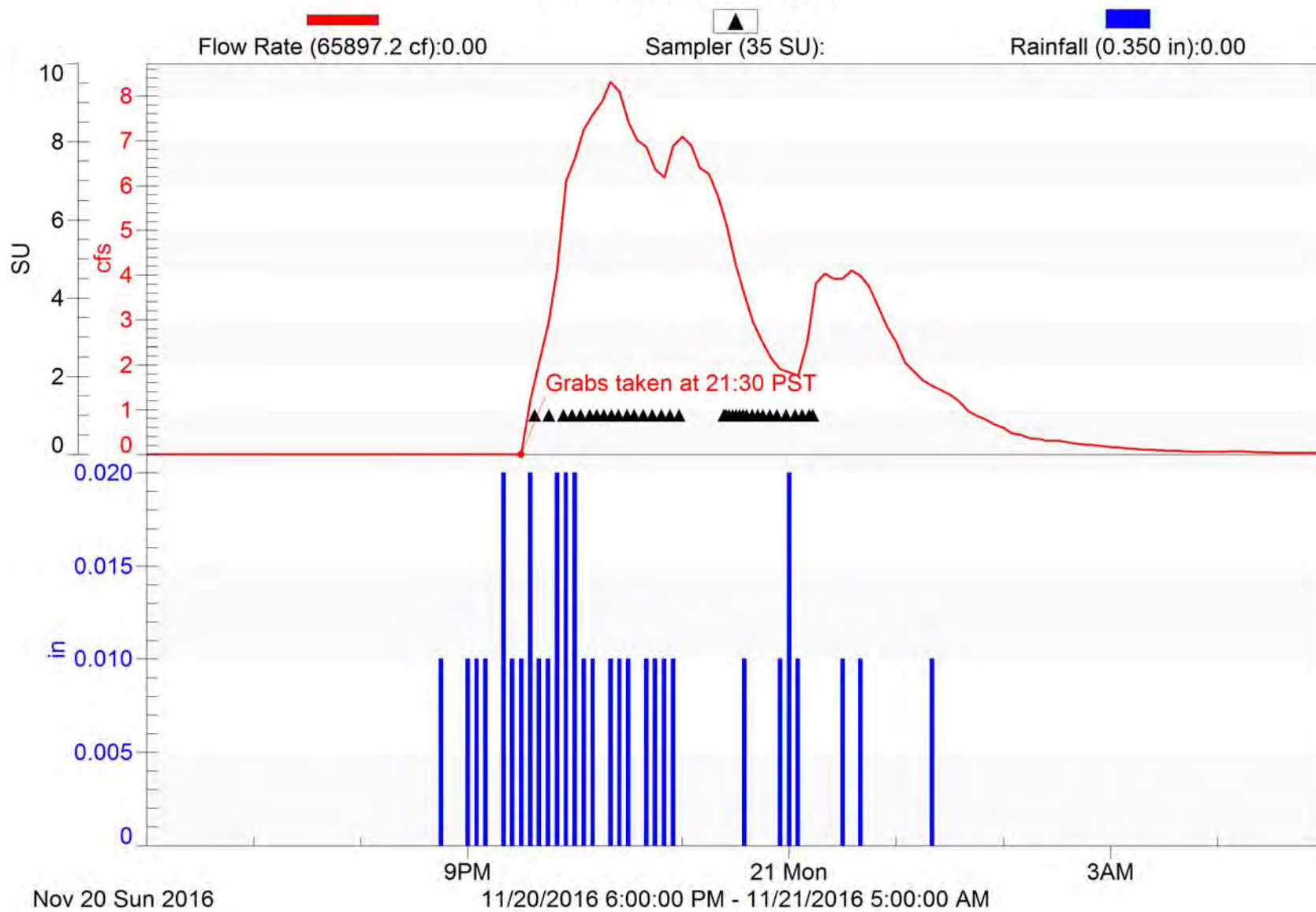
Santa Paula-1

2016/17 NPDES Event #1 (Wet)



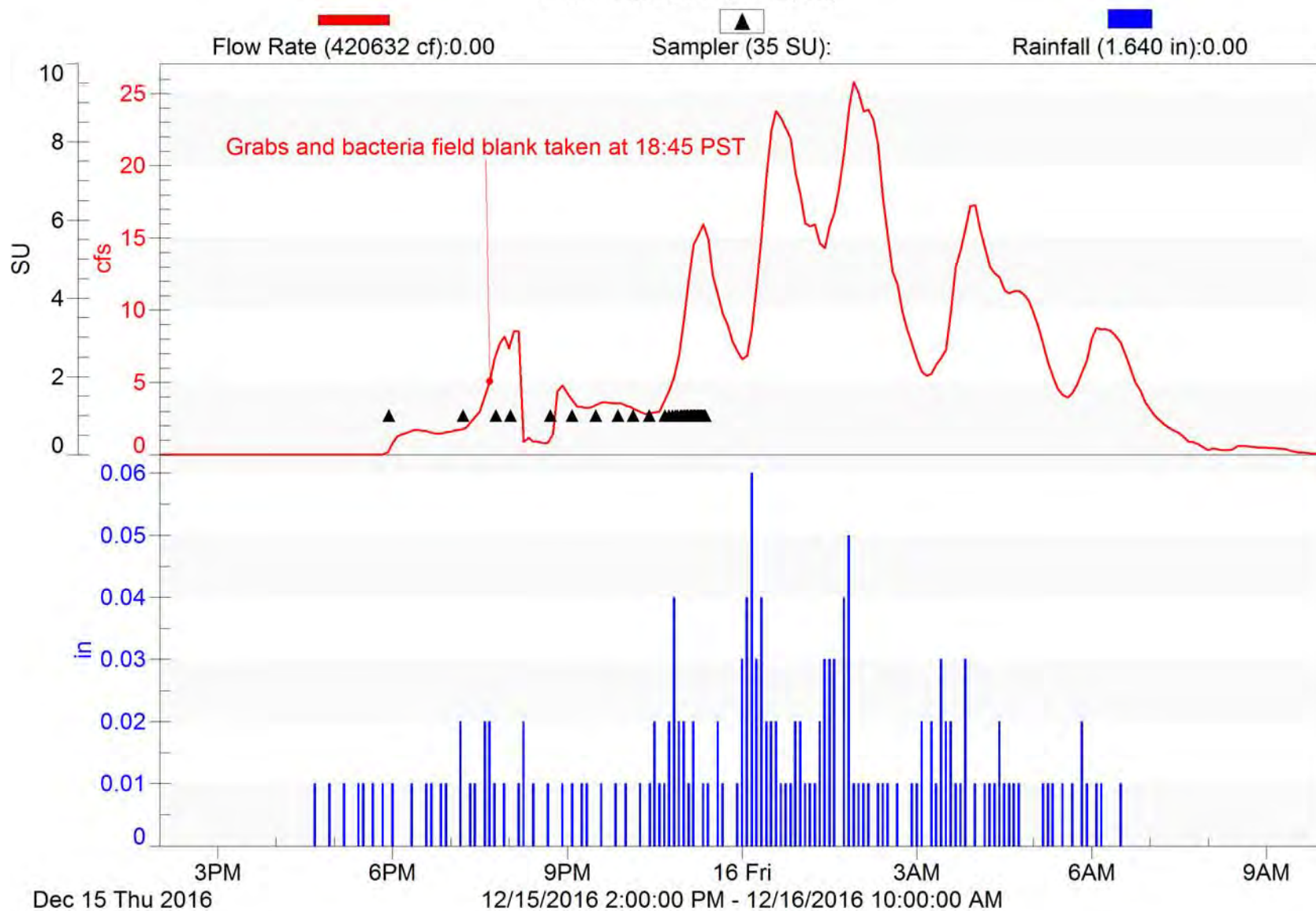
Santa Paula-1

2016/17 NPDES Event #2 (Wet)

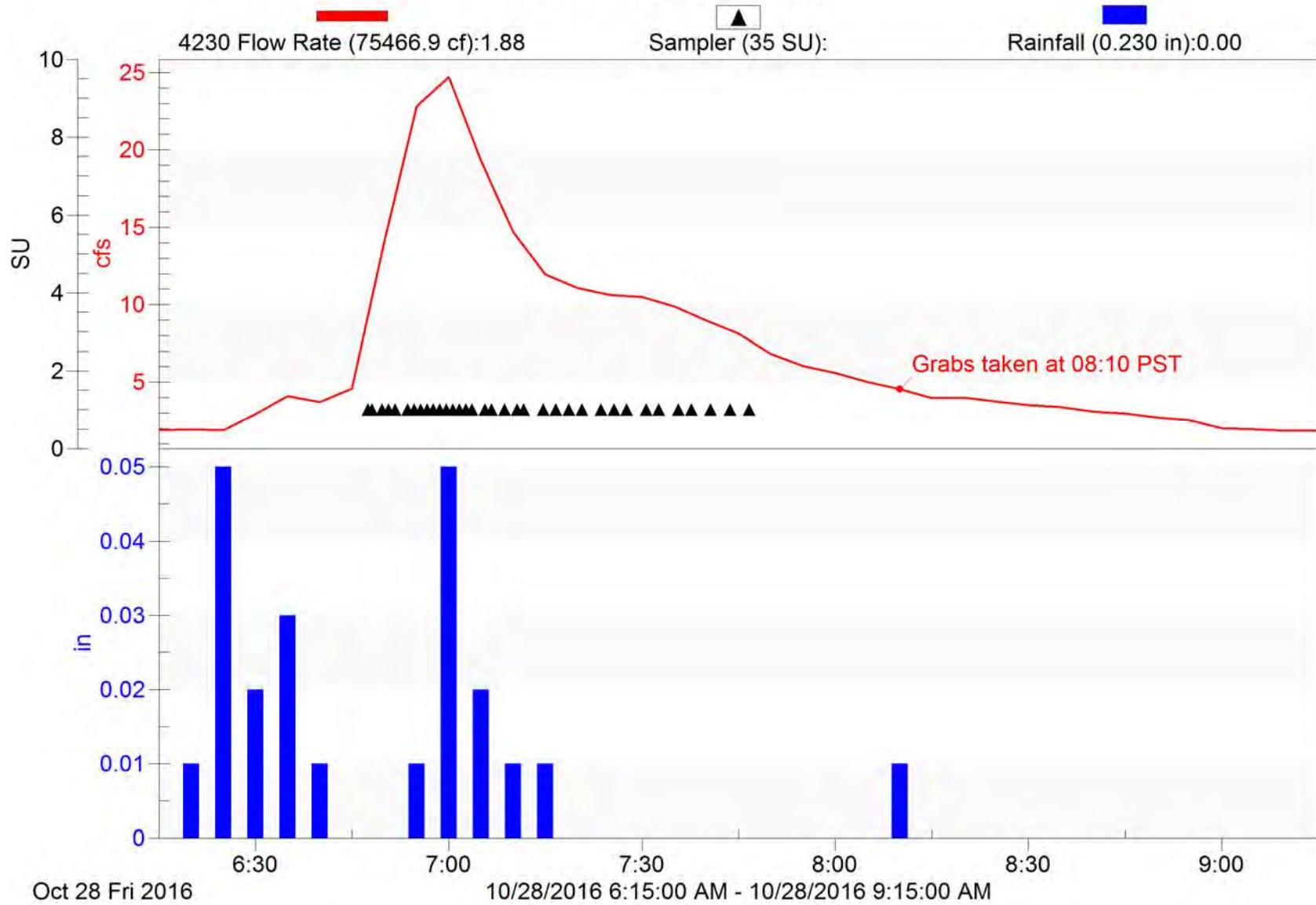


Santa Paula-1

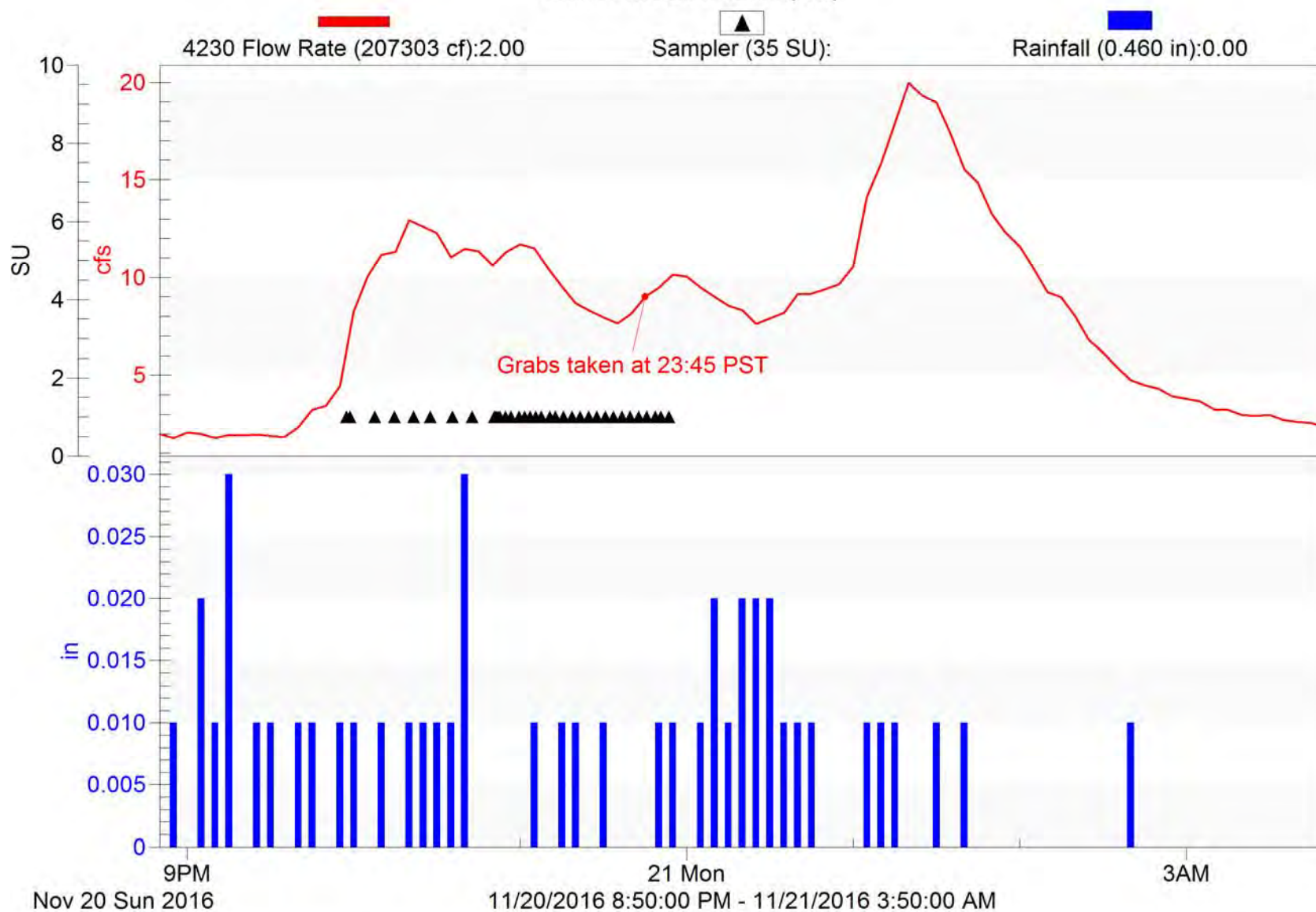
2016/17 NPDES Event #3 (Wet)



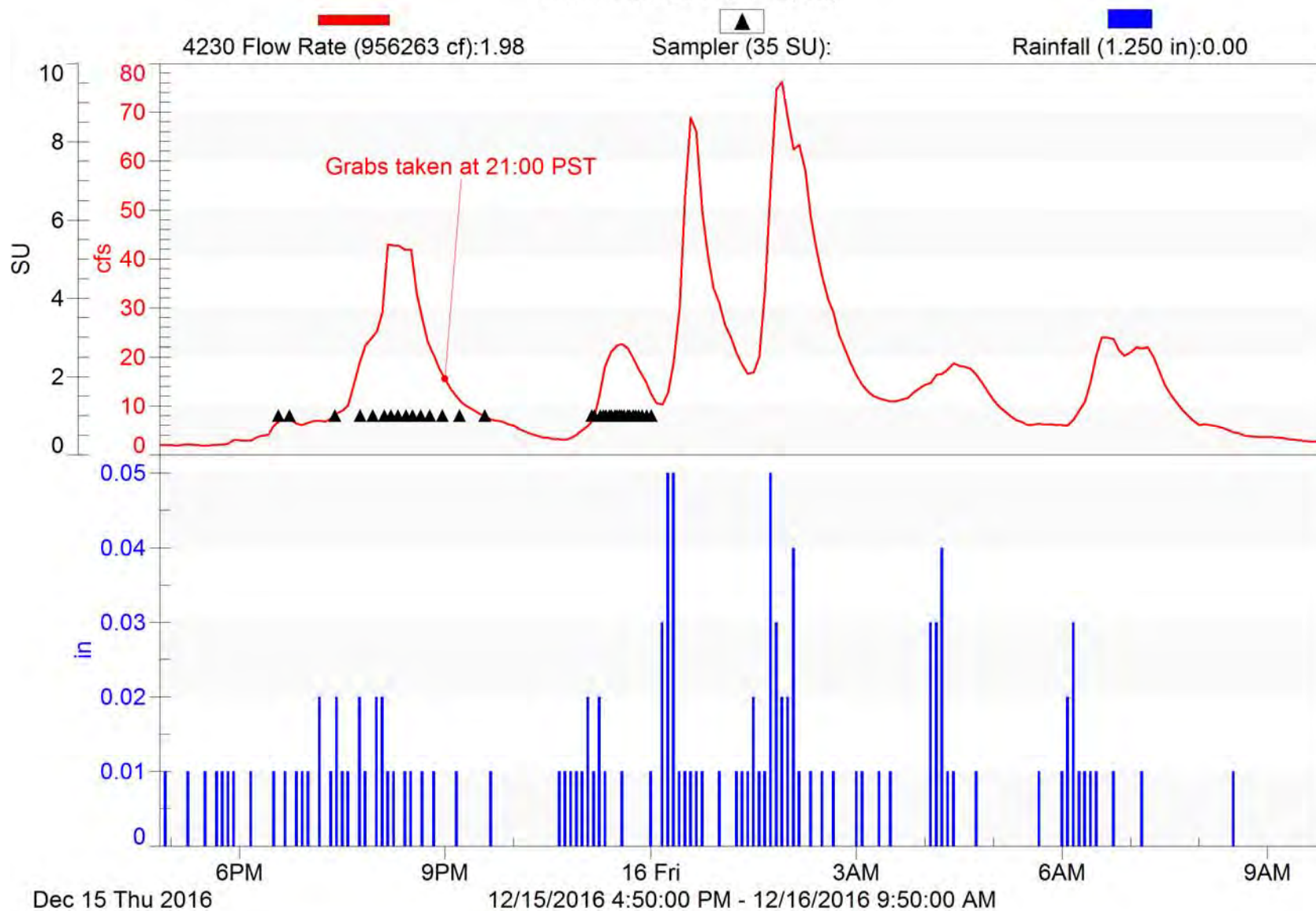
Simi Valley-1 2016/17 NPDES Event #1 (Wet)



Simi Valley-1 2016/17 NPDES Event #2 (Wet)

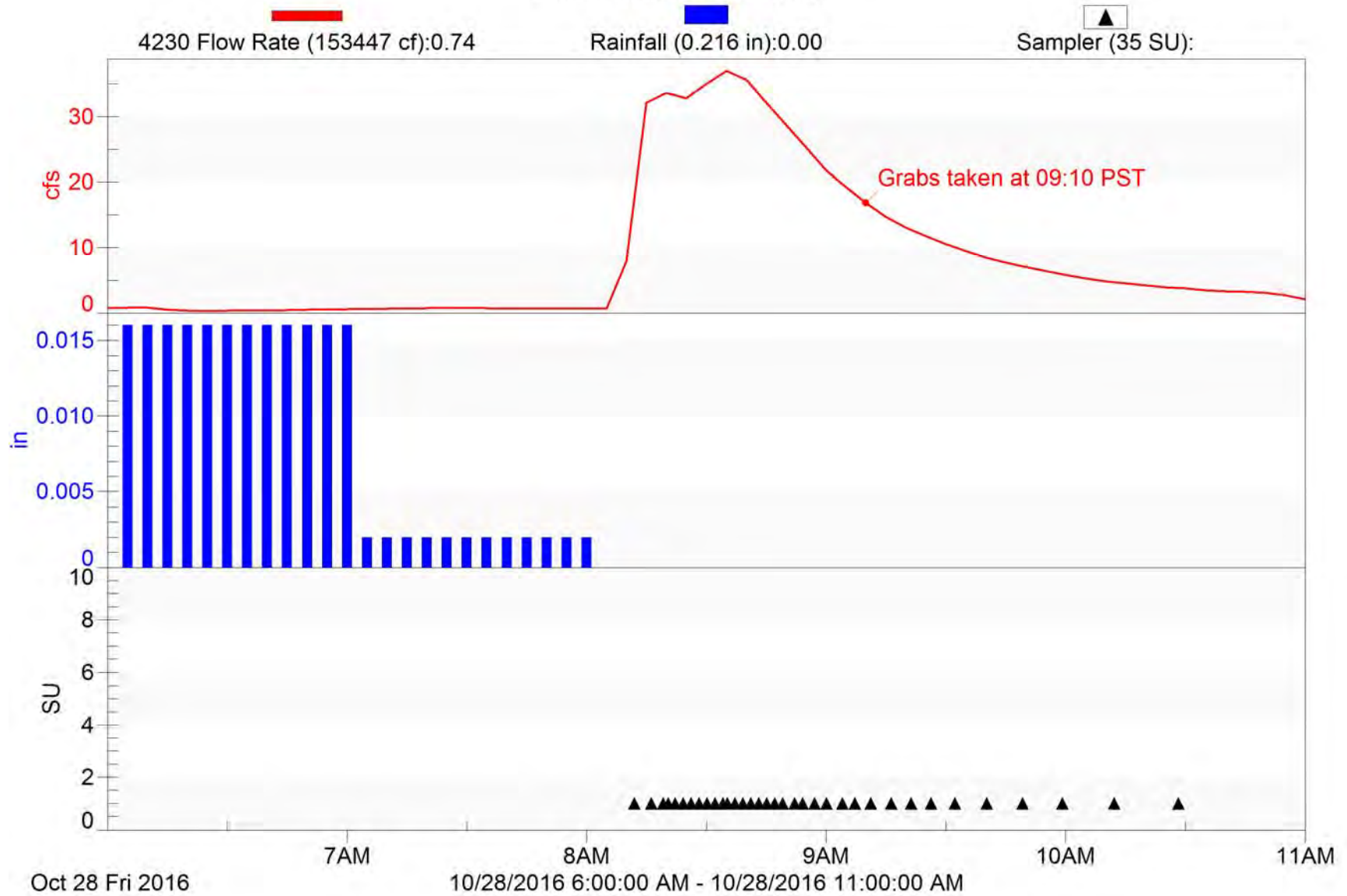


Simi Valley-1 2016/17 NPDES Event #3 (Wet)



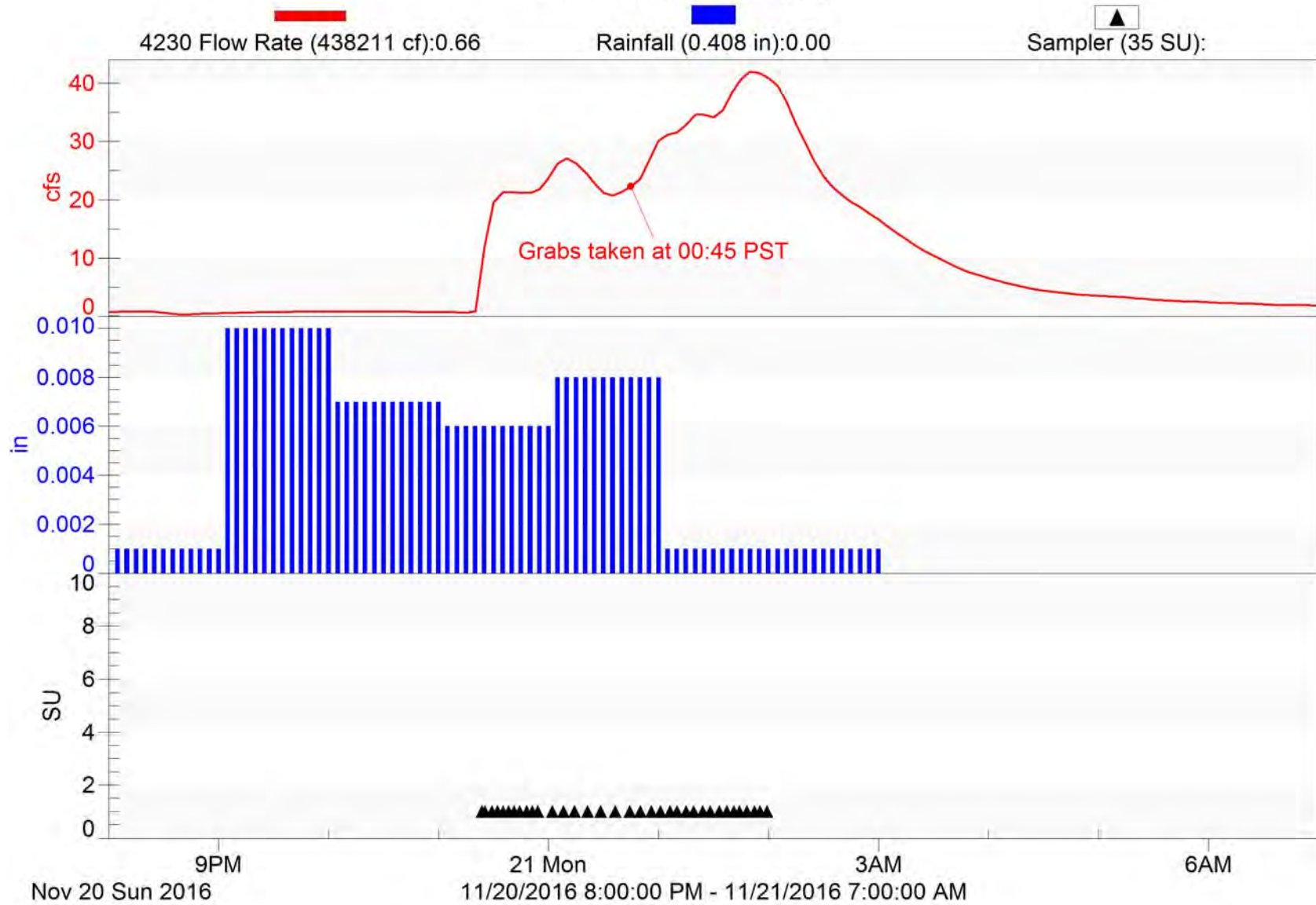
Thousand Oaks-1

2016/17 NPDES Event #1 (Wet)



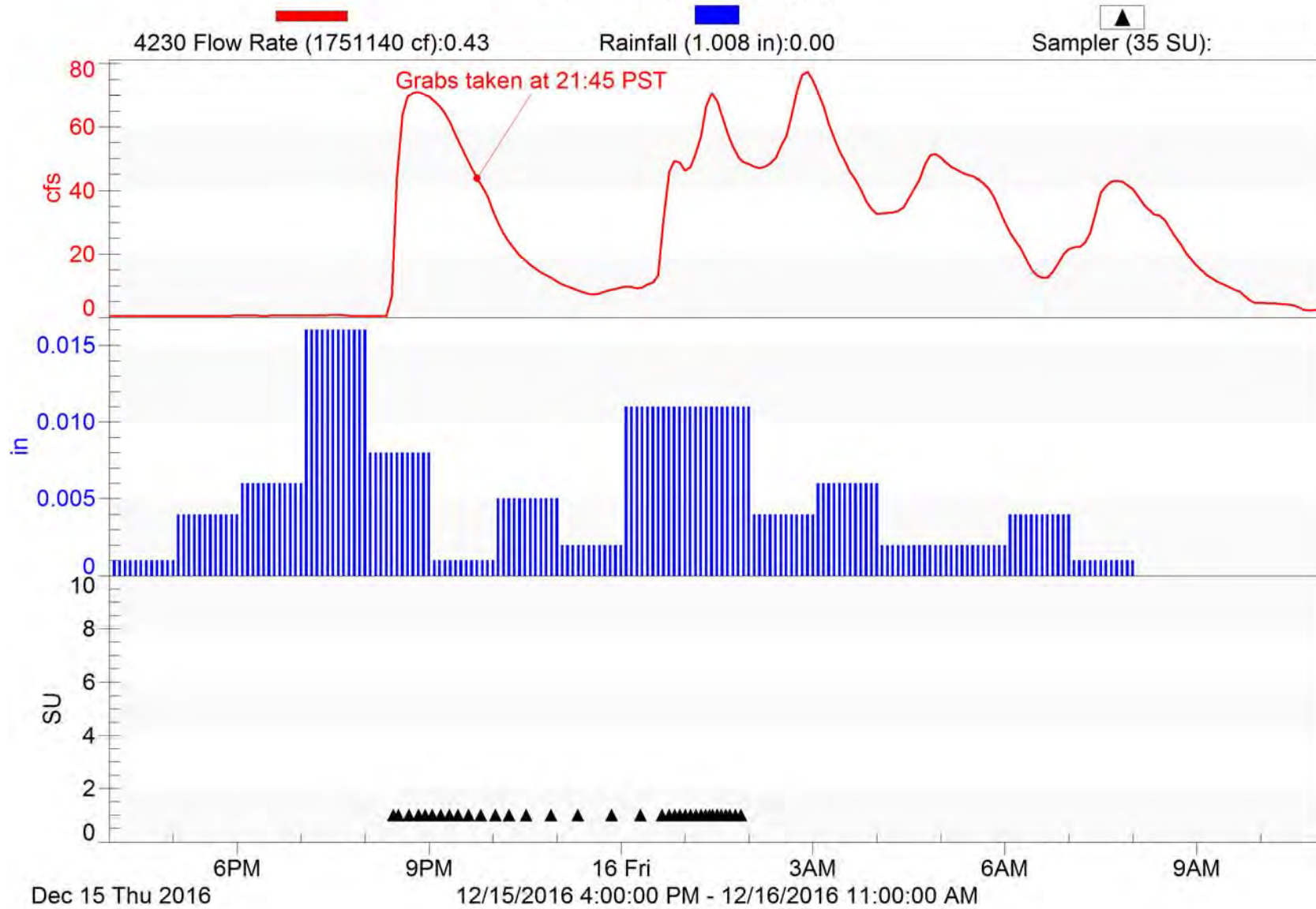
Thousand Oaks-1

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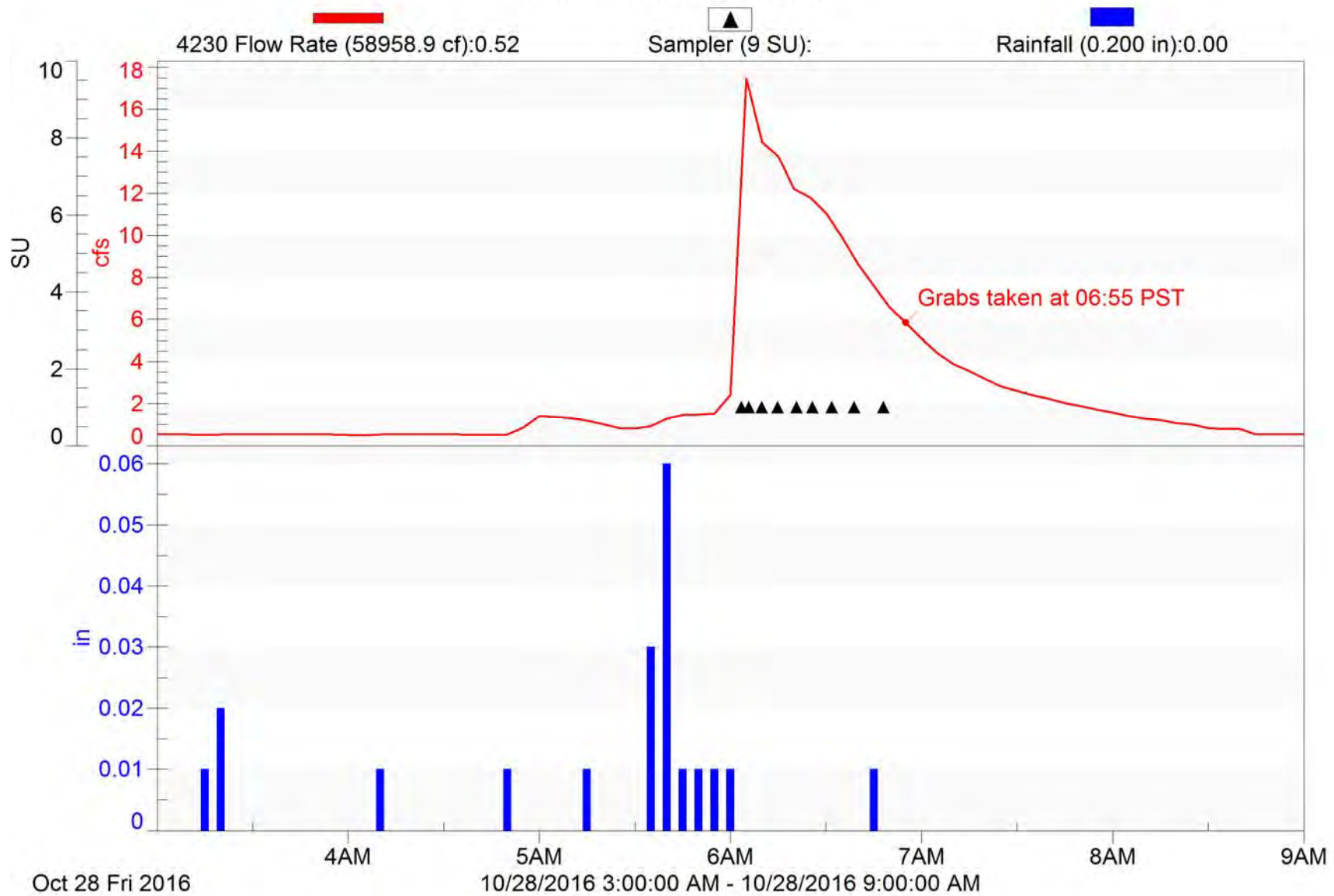
Thousand Oaks-1

2016/17 NPDES Event #3 (Wet)



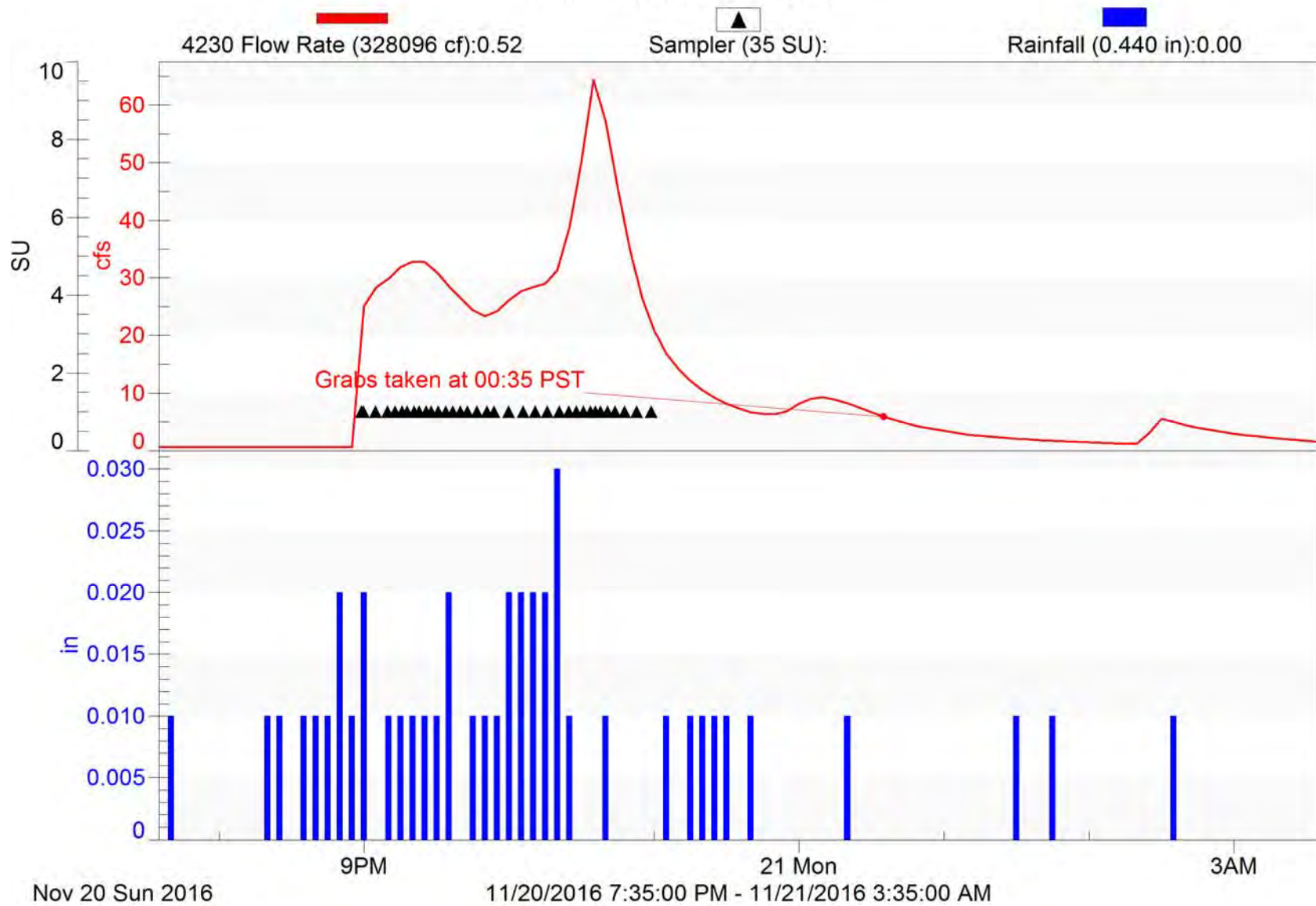
Ventura-1

2016/17 NPDES Event #1 (Wet)



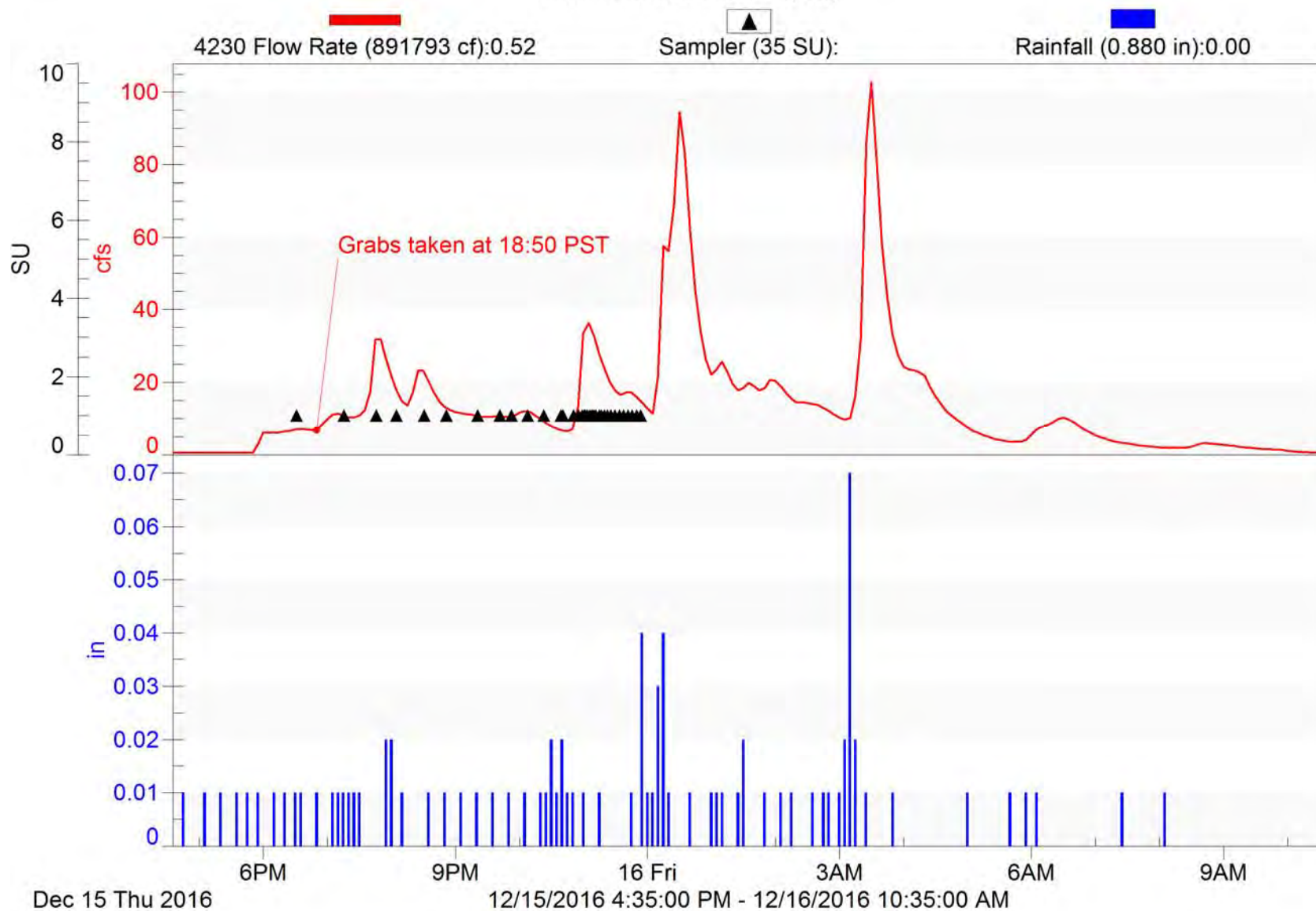
Ventura-1

2016/17 NPDES Event #2 (Wet)



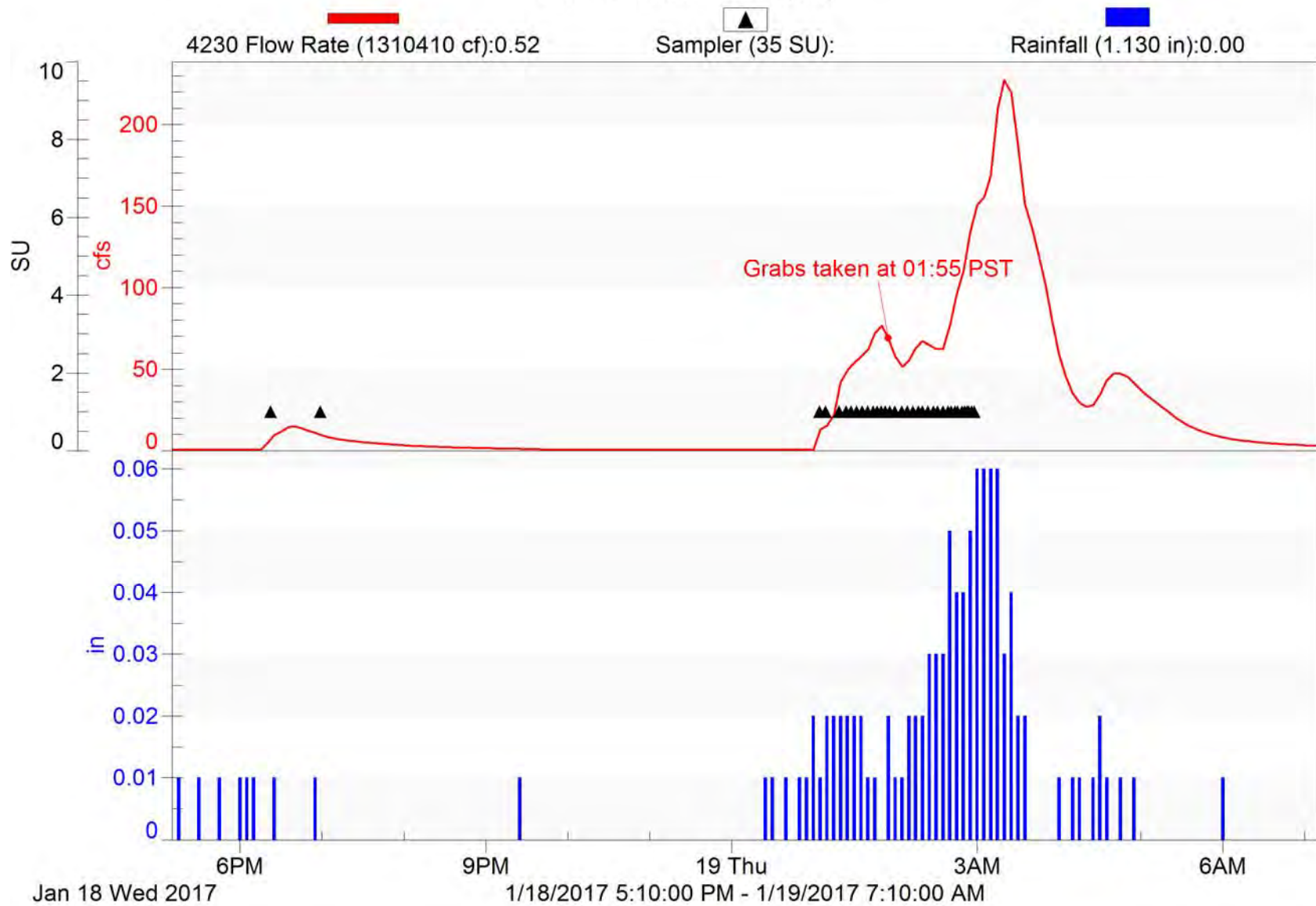
Ventura-1

2016/17 NPDES Event #3 (Wet)



Ventura-1

2016/17 NPDES Event #5 (Wet)



Appendix C. NRCS Curve Number Methodology Discussion



Ventura County Watershed Protection District

Planning & Regulatory Hydrology Section MEMORANDUM

DATE: September 4, 2009 Updated August 12, 2010

TO: Tommy Liddell

VIA: Bruce Rindahl

FROM: Mark Bandurraga

SUBJECT: **NPDES Monitoring Site Yield Evaluation**

Per your request, we have used the land use and watershed information you provided to prepare a spreadsheet that can be used to estimate the runoff quantities from storm forecasts. The runoff quantity is estimated using the NRCS Curve Number approach that is a common method in hydrology. The results show that the weighed Curve Numbers estimated from the evaluation range from a low of about 74 for the rural Fox Canyon Drain watershed in Ojai to a high of about 91 for the urbanized watershed in the City of Ventura. The methodology and files used to calculate the Curve Numbers are described in this memo for the watersheds shown in Figures 1-4.

In August 2010 you requested results for another 7 monitoring sites across the county. This memo describes the additional work done for that request.

Curve Number Calculation Methodology

Land Use Data

Land Use data used in the study were provided by the Water Quality Section already clipped to the monitoring site boundaries and in a geodatabase. The land use data were extracted from the Assessor's Parcel database which is considered to be current as of the date of extraction (Feb 12, 2009). The various classifications in the file based on the assessor's 4-digit site use codes were sorted and assigned hydrologic land use names associated with the various classifications contained in the Curve Number (CN) Table from the Hydrology Manual (2006) as shown in Table 1. The categories in the land use file corresponded well with the land uses in the VCWPD CN Table with the following exceptions:

1. Vacant undifferentiated land was assumed be open brush in fair condition in rural areas and open space with 50% grass cover in urban areas.
2. Mixed urban land uses were assumed to correspond to commercial properties with 50% effective impervious.
3. Fire stations, public buildings, and schools were assigned to the low industrial use category with an effective impervious value of 36% due to the potential for large landscaped areas.

Table 1 Land Uses In NPDES Database (Assessor's Land Uses)

KVM_CAT1	SHORT_	Name
Agriculture	Abandoned Orchards and Vineyards	Orchard
Agriculture	Horse Ranches	open
Agriculture	Nurseries	Orchard
Agriculture	Orchards and Vineyards	Orchard
Agriculture	Vacant With Limited Improvements	open
Com_Indus. Mix	Mixed Commercial and Industrial	Comm
Commer.	Commercial Recreation	Comm
Commer.	Commercial Storage	Comm
Commer.	Low- to Medium-Rise Major Office Use	comm
Commer.	Modern Strip Development	comm
Commer.	Retail Centers (Non-Strip with Contiguous Interconnected Off-Street Parking)	comm
Extraction	WHOLESALE AND WAREHOUSING	indhigh
Facility	Fire Stations**	indlow
Facility	Government Offices	indlow
Facility	Major Medical Health Care Facilities	comm
Facility	Other Public Facilities	indlow
Facility	Other Special Use Facilities	indlow
Facility	Police and Sheriff Stations**	indlow
Facility	Religious Facilities	indlow
Facility	Special Care Facilities	indlow
Industrial_1	Open Storage	indlow
Industrial_1	Packing Houses and Grain Elevators	indlow
Industrial_3	Manufacturing, Assembly, and Industrial Services	indhigh
No Info Given		open
Recreation	Other Open Space and Recreation	open
Res.1	Low Density Single Family Residential	reslow
Res.1	Trailer Parks and Mobile Home Courts, High Density	reshigh
Res.2	Low-Rise Apartments, Condominiums, and Townhouses	reshigh
Res.2	Rural Residential Low Density	resrural
Res.3	High Density Single Family Residential	reshigh
Res.4	Duplexes, Triplexes, and 2- or 3-Unit Condominiums and Townhouses	reshigh
Res.4	Medium-Rise Apartments and Condominiums	reshigh
Res.4	Mixed Urban	comm
Schools	Elementary Schools**	indlow
Schools	Junior High Schools**	indlow
Schools	Senior High Schools**	indlow
Transportation	Freeways and Major Roads	paved
Transportation	Mixed Transportation	paved
Transportation	Truck Terminals	paved
Under Constructi	Under Construction	indlow
Utilities	Electrical Power Facilities	indlow
Vacant Undiffere	Vacant Undifferentiated (rural)	brushfair
Vacant Undiffere	Vacant Undifferentiated (city)	open

Soils Information

The soils information was obtained from the District soils shapefile that groups the soil info into categories 1 through 7 corresponding to the NRCS soil categories D through A, respectively. The soils info was clipped to the watershed boundaries using the watershed shapefile. The areas

obtained from the soils files were checked against the total watershed areas to make sure they were identical.

Combined Soils and Land Use Information and Weighted Curve Numbers

The soils and land use shapefiles were then unioned in GIS to obtain the combinations of soil type and land uses in the watersheds. The resulting table was imported into excel and sorted to group the various land uses. The land uses were then assigned a name associated with the data in the District CN Table. Based on the name and soil number, excel functions “match” and “offset” were used to obtain a CN from the CN Table. The weighted soil number and Curve Number for each watershed were calculated using the areas, soil numbers, and CN’s. The weighted soil types were checked against the data in the original watershed soil files and were found to be the same. The weighted Curve Numbers were linked to a summary worksheet to be used to calculate the yields by the Water Quality Section. This procedure was also applied to the 7 additional watersheds added to the study in August 2010.

The results are shown in Table 2.

Table 2: Storm Yield Results- Weighted Average Curve Numbers

Watershed Name	Size ac	Composite CN	Rain (in)	Initial Abs S (no units)	Rain cutoff (in)	Yield (in)	% Yield
Camarillo	2,779	85.12	5.00	1.75	0.35	3.38	68%
Happy Valley	1,026	77.29	5.00	2.94	0.59	2.65	53%
Fox	749	74.19	5.00	3.48	0.70	2.38	48%
Ventura	707	90.93	5.00	1.00	0.20	3.97	79%
Fillmore	762	74.77	5.00	3.37	0.67	2.43	49%
Port Hueneme	589	85.60	5.00	1.68	0.34	3.43	69%
Moorpark	1,816	63.34	5.00	5.79	1.16	1.53	31%
Oxnard	1,374	84.07	5.00	1.89	0.38	3.28	66%
Simi Valley	3,321	71.04	5.00	4.08	0.82	2.12	42%
Santa Paula	64	80.07	5.00	2.49	0.50	2.90	58%
Thousand Oaks	5,179	81.54	5.00	2.26	0.45	3.04	61%

Between the first request and present, the Hydrology Section has updated their Curve Number tables to make them more consistent with reported infiltration rates in the Hydrology Manual. The resultant CNs were used in the study to see the effect on the yields as shown in Table 3.

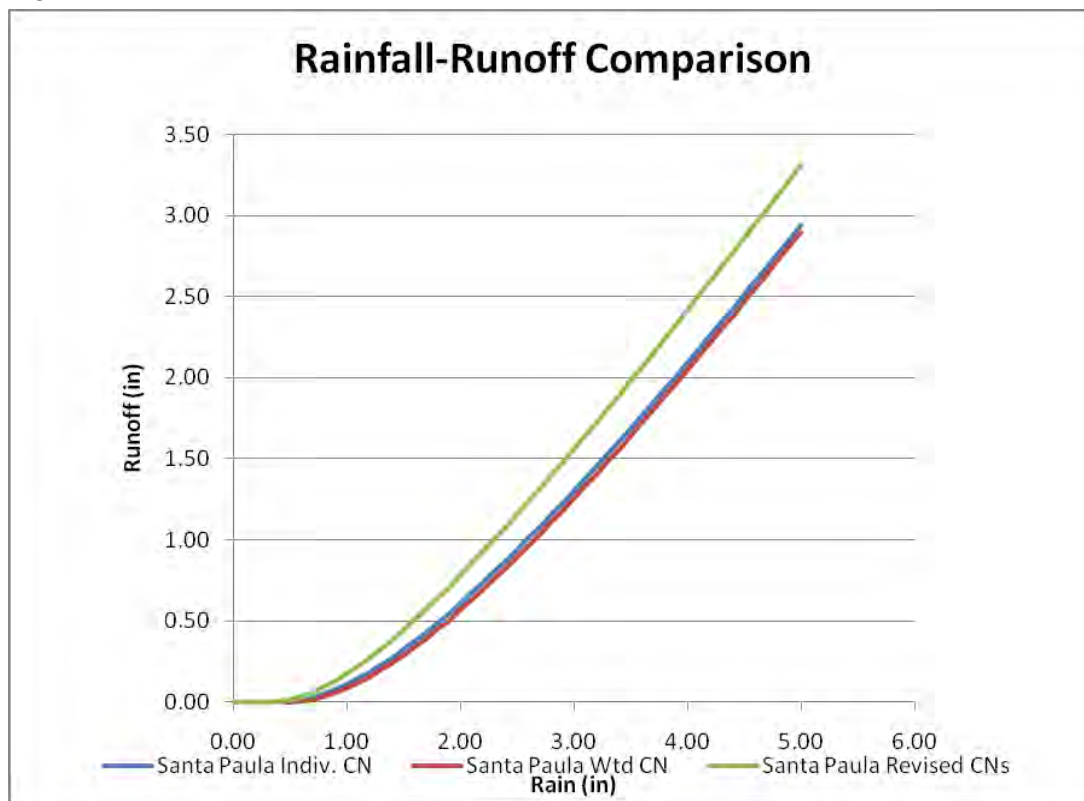
Table 3: Storm Yield Results- Weighted Average Curve Numbers with Updated CNs

Watershed Name	Size ac	Composite CN	Rain (in)	Initial Abs S (no units)	Rain Cutoff (in)	Yield (in)	% Yield
Camarillo	2,779	84.72	5.00	1.80	0.36	3.34	67%
Happy Valley	1,026	77.22	5.00	2.95	0.59	2.64	53%
Fox	749	73.48	5.00	3.61	0.72	2.32	46%
Ventura	707	91.24	5.00	0.96	0.19	4.01	80%
Fillmore	762	74.39	5.00	3.44	0.69	2.40	48%
Port Hueneme	589	86.14	5.00	1.61	0.32	3.48	70%
Moorpark	1,816	64.63	5.00	5.47	1.09	1.63	33%
Oxnard	1,374	84.01	5.00	1.90	0.38	3.27	65%
Simi Valley	3,321	71.11	5.00	4.06	0.81	2.13	43%
Santa Paula	64	84.22	5.00	1.87	0.37	3.29	66%
Thousand Oaks	5,179	81.27	5.00	2.30	0.46	3.01	60%

The results showed that the revised CNs provided yields that were 1 or 2% higher than the 2006 CN set except for the Santa Paula watershed. This watershed was soil type 6, which had CNs that were more affected by the updates than most of the CNs for the other soils.

While working on the 2nd request, it was realized that the Hydrology Section could provide more precise estimates of flow at lower rainfall levels by analyzing each soil/land use combination individually and summing the results rather than using a weighted average CN in the runoff equation. So the individual CN results were calculated and summed for both the 7 sites in this update and the previous 4 sites. The resultant spreadsheets provide tables of runoff vs rainfall data. Figure 1 shows a comparison of the rainfall and runoff from a highly developed watershed Camarillo using the weighted average CN, individual CNs, and revised individual CNs.

Figure 1



Conclusions and Limitations

The provided weighted CNs can be used to estimate runoff from low to moderately saturated watersheds. It has been our experience that it is necessary to use Antecedent Moisture Condition III CNs for highly saturated watersheds which only occurs after many days of heavy rainfall such as January 10, 2005. The provided CNs probably will overpredict the runoff coming from the first storms of the season due to the very dry antecedent moisture conditions present then. If necessary further work can be done to provide CNs representing AMC I conditions. Also, the CNs assigned to the various land uses can be calibrated after enough storms have occurred to evaluate the predictive accuracy of the current yield equations provided to the NPDES group. It should also be possible to provide forecasts of runoff from the HSPF forecast model of the Ventura River watershed that more accurately reflect saturated/unsaturated conditions.

List of Files in Work Directory K:\PR\hydrology\Watersheds\NPDES\Monitoring_Sites

Filename	Description
GIS	Contains GIS files used in evaluation
GIS2010	Contains 2010 GIS files used in updated evaluation
ClippedLandUse.mdb	Geodatabase with land uses clipped to watershed boundaries provided by WQ section
*_SelectedWatershed.shp	shapefiles showing boundaries of monitoring watersheds
*soils.shp	soils shapefiles clipped to watershed boundaries
*soilsunion.shp	Union of soils and land use data shapefile for watersheds
Allsoil.shp	VCWPD soils shapefile showing numbers for hydrology calcs
NPDES_MonitoringSitesRunoff9-09.xls	9-09 CN data
NPDES_MonitoringSitesRunoff8-10.xls	8-10 updated analysis for 11 sites total
NPDES_MonitoringSitesRunoff8-10RevCNs.xls	8-10 analysis using revised CNs
MonitoringSites9-09.mxd	ArcMap project file for analysis

Ventura Watershed

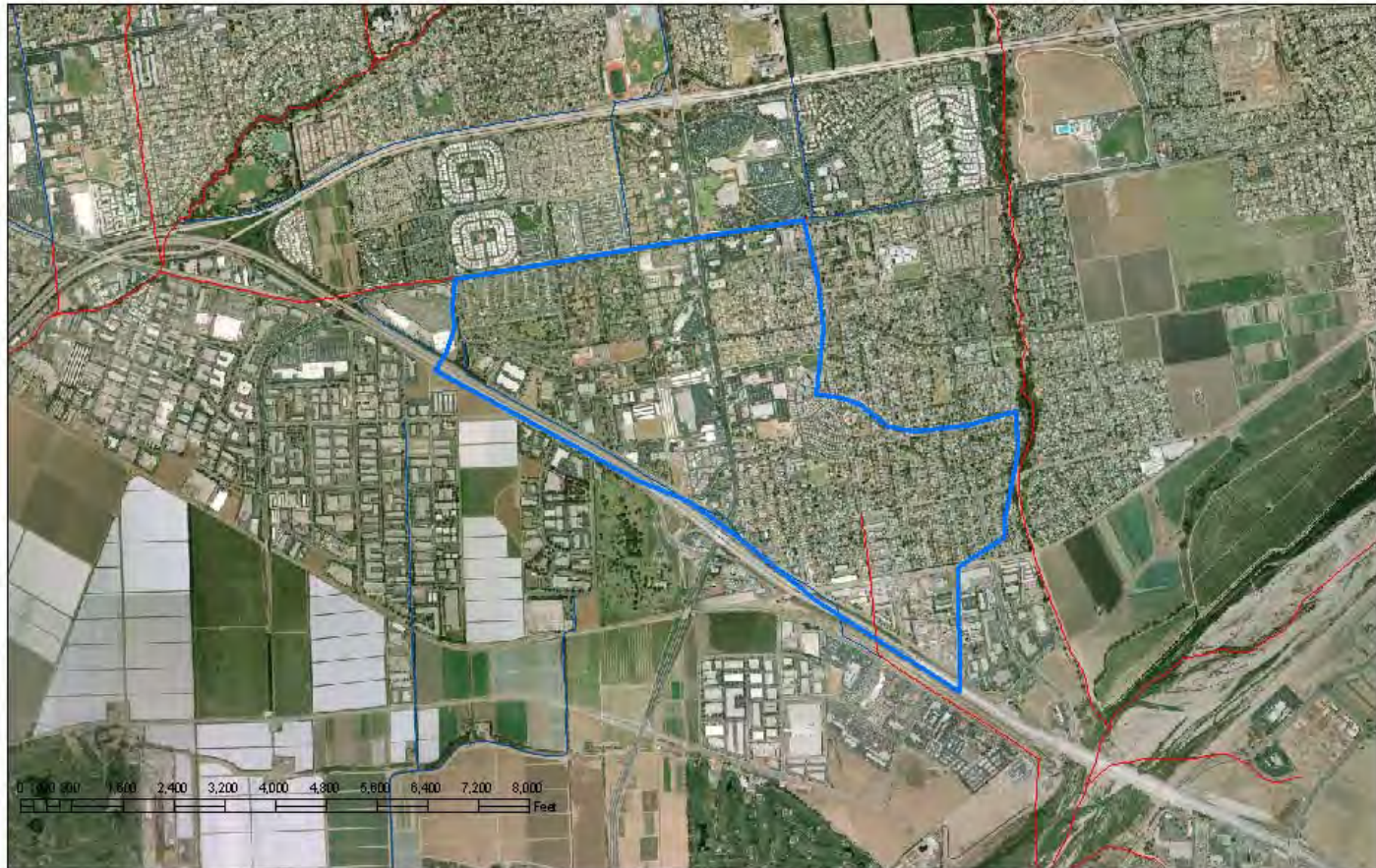


Figure 2

Meiners Oaks Happy Valley Watershed



Figure 3

Ojai Fox Watershed

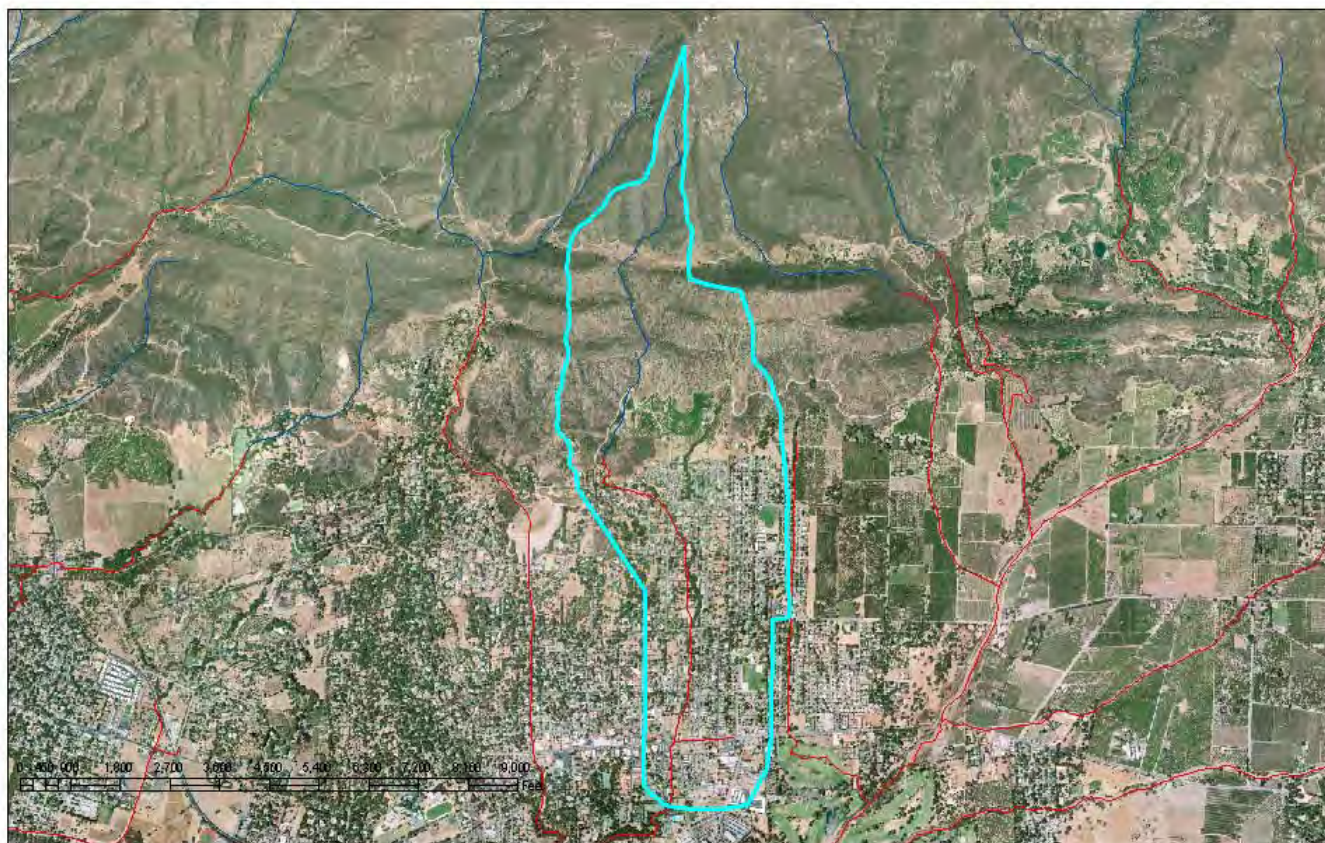


Figure 4

Camarillo Hills Drain Watershed

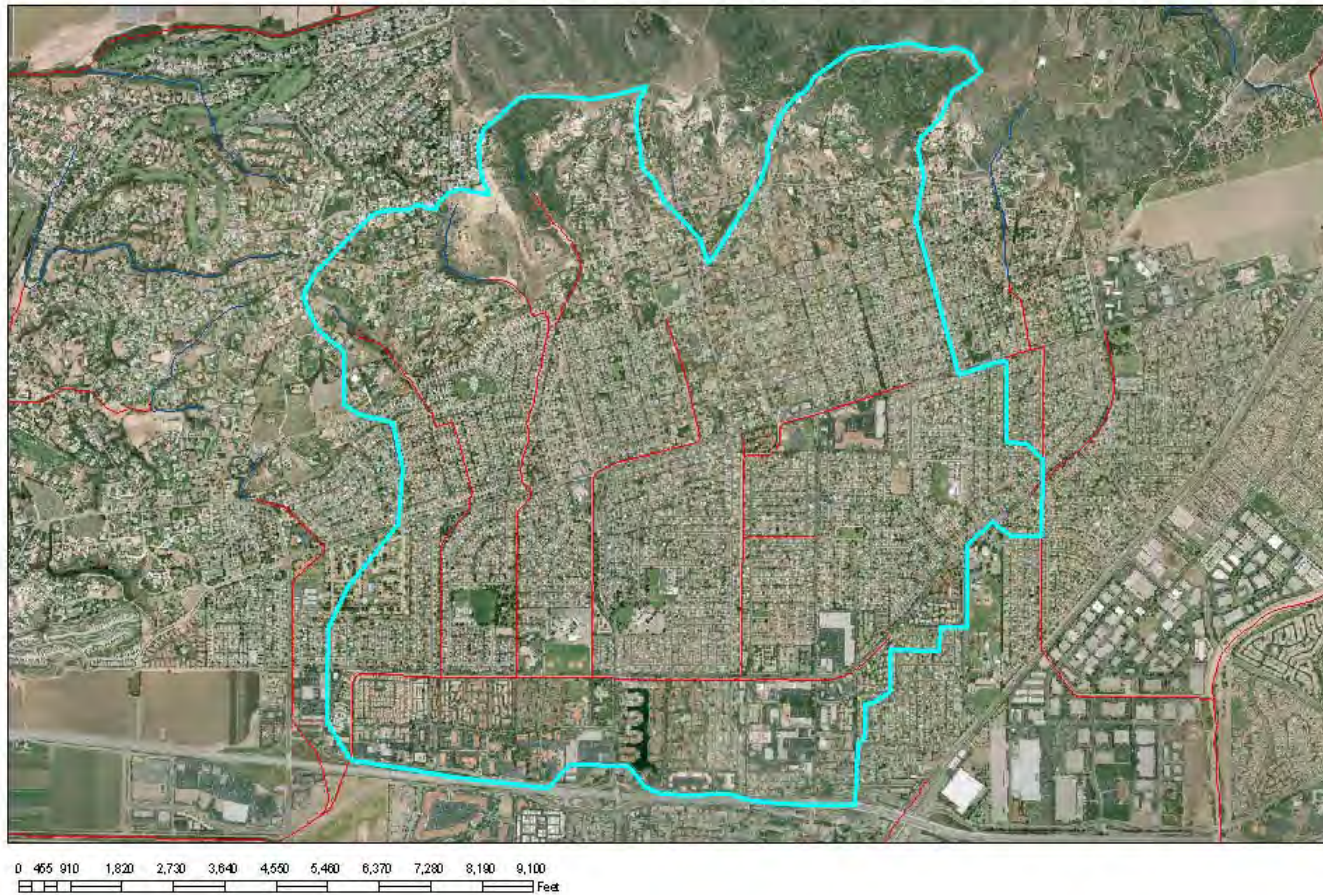


Figure 5

Simi Valley Watershed

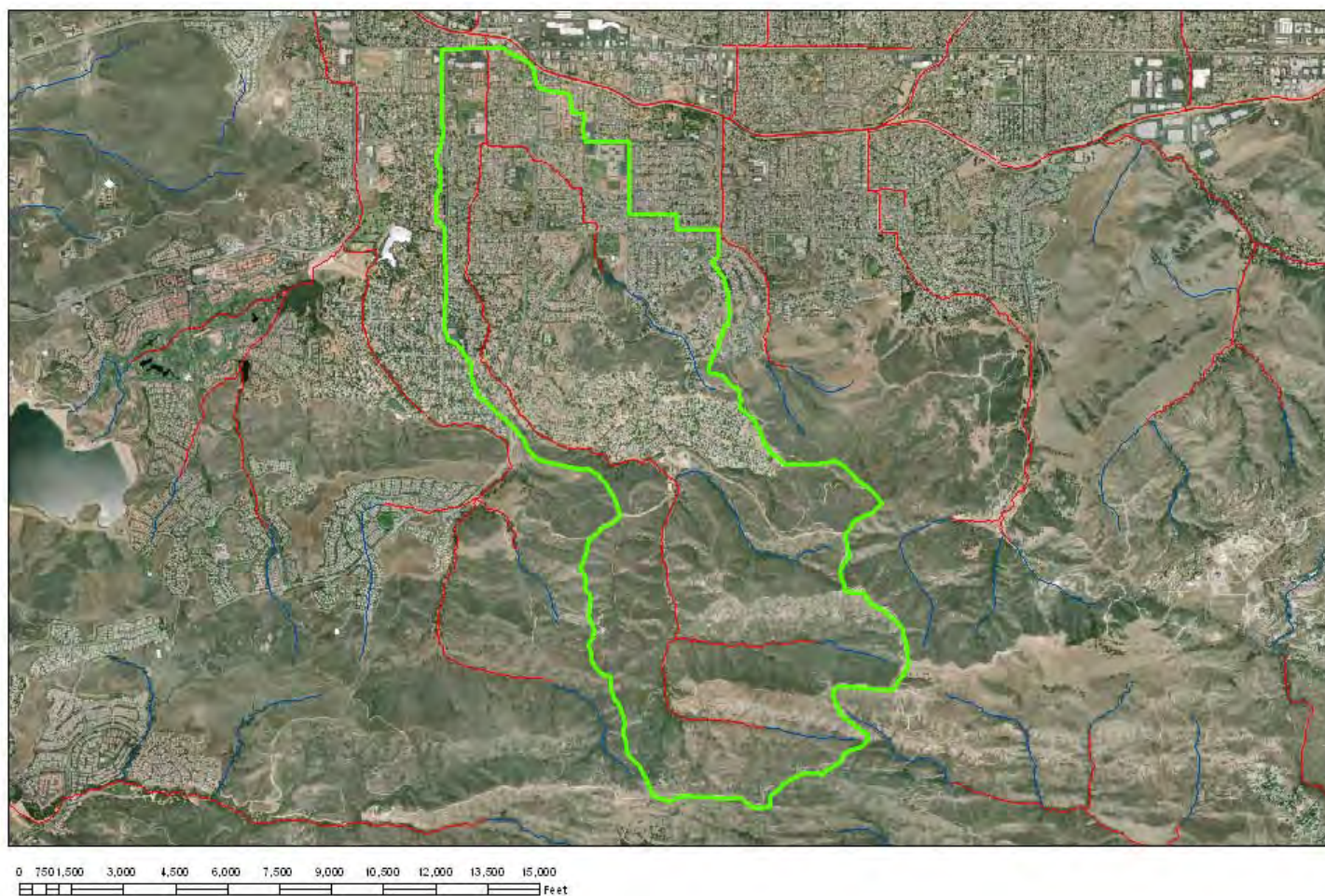


Figure 6

Oxnard Watershed



Figure 7

Moorpark Watershed

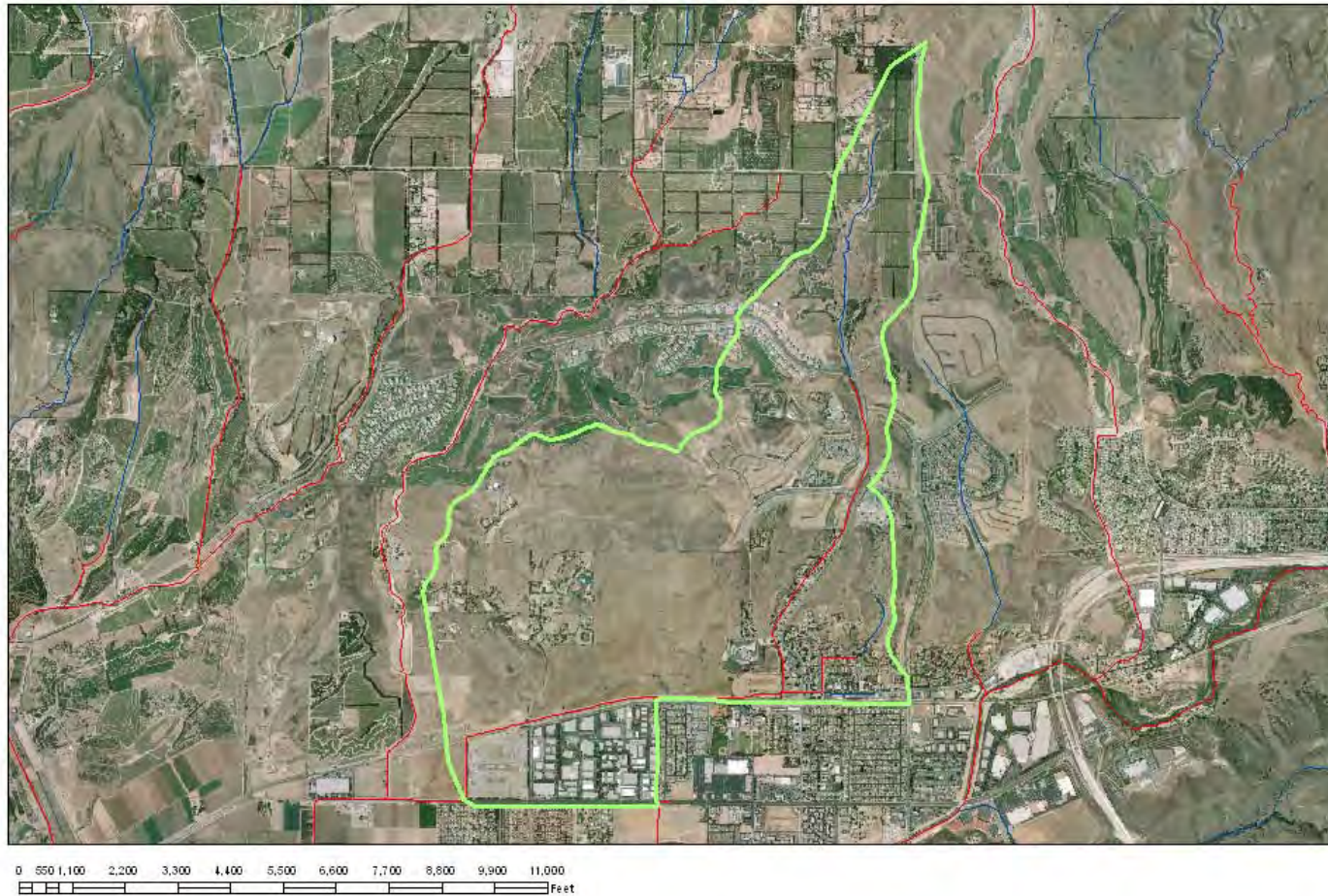


Figure 8

Port Hueneme Watershed



Figure 9

Fillmore Watershed



Figure 10

Thousand Oaks Watershed

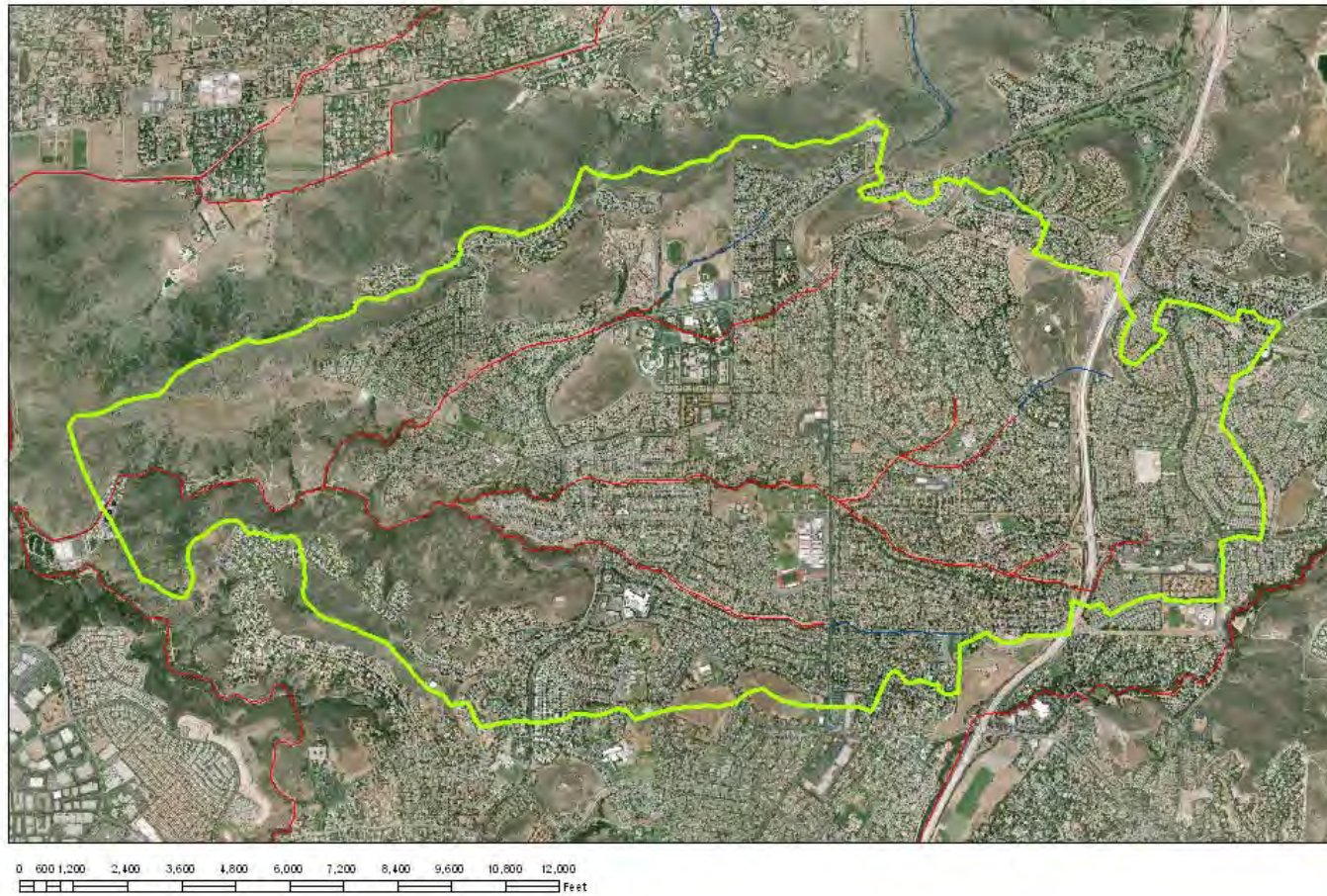


Figure 11

Santa Paula Watershed



Figure 12

Appendix D. Event Summaries

														Comp					
														Comp bottle	Duration				
														status/	(nearest	Comp	Grab	Toxicity	
Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Level (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Estimated Vol (L)	half hrs)	Time	Time	Time	Notes
ME-CC	1	1	KH	10/26/2016	1040	PDT	1.055	5	~1.06	0	4L Distilled	266,044	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
ME-CC	1	2	TL,DW	10/28/2016	0853	PDT	1.119	8	1.1	5			Program disabled				0900	0900	
ME-CC	1	3	SG	10/29/2016	0932	PDT	1.207	21	1.2	0	2L Distilled	344,528	Sample 8 after 1 pulse	30% full		1000		Limited volume!	
ME-VR2	1	1	WBC	10/26/2016	1240	PDT	1.806	1		3	4L Distilled	52,899	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
ME-VR2	1	2	LM,SG	10/28/2016	0710	PDT	1.852	1	1.85	1			Program disabled	Empty			720	720	
ME-VR2	1	3	SG	10/29/2016	0738	PDT	1.843	1			2L Distilled	389,814	Program done.	18.5L		0742			
ME-SCR	1	1	DRY			PDT					2L Distilled		Time: 10 min/500mx35, program disabled	Bottle in, lid off.					
ME-SCR	1	2	DRY			PDT							Sample 26 in 1 min. Stopped program	Almost full					
ME-SCR	1	3	DRY			PDT					2L Distilled		Stopped	18L					
MO-OJA	1	1	WBC	10/26/2016	1045	PDT	0.104	5	-	0	4L Distilled		Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
MO-OJA	1	2	LM,SG	10/28/2016	0438	PDT	0.101	5	0	2			Program disabled	Empty			0450	0450	
MO-OJA	1	3	LM,SG	10/28/2016	0845	PDT	0.101	5		0	2L Distilled	105,433	Program done.	85% full		0845			
MO-MEI	1	1	WBC	10/26/2016	1200	PDT	0.082	1	0	on	4L Distilled	20,462	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.				Chalked barrel	
MO-MEI	1	2	LM,SG	10/28/2016	0547	PDT	0.08	1	0	2			Program disabled	3/4 full			0555	0555	
MO-MEI	1	3	LM,SG	10/28/2016	0914	PDT	0.081	1		0	2L Distilled	104,478	Program done.	80% full		0915			
MO-FIL	1	1	WBC	10/26/2016	1350	PDT	0.259	-		4	2L Distilled	-	Time: 5 min/500mx35, program disabled	Bottle in, lid off.					
MO-FIL	1	2	WBC,SC	10/28/2016	0700	PDT	0.998	-		2			Sample 5 in 20 sec.	2L			0700	0700	
MO-FIL	1	3	LM,SG	10/28/2016	1316	PDT	0.364	-		1.5	2L Distilled	194,642	Program done.	85% full		1318			
MO-oxn	1	1	KH	10/27/2016	1255	PDT	0.109	0.2	No flow	0	4L Distilled	28,115	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
MO-oxn	1	2	TL,DW	10/28/2016	0703	PDT	0.475	5.9	0.5	4			Sample 2 after 1 pulse	0.5			0715	0715	
MO-oxn	1	3	TL,DW	10/28/2016	0917	PDT	0.157	0.6		4	2L Distilled	154,973	Program disabled	17.5L		1020			
MO-CAM	1	1	KH	10/26/2016	1020	PDT	0.033	10	<<0.033	Turned on	4L Distilled	26,897	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
MO-CAM	1	2	TL,DW	10/28/2016	0936	PDT	0.034	10			2L Distilled		Insufficient rain for site. Dumped sample.	75% full but dumped				Non-qualifying event	
MO-SIM	1	1	KH	10/26/2016	1215	PDT	0.137	2	<channel toe	4	4L Distilled	63,500	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.				6712 time in PDT so updated back to PST	
MO-SIM	1	2	WBC,SC	10/28/2016	0902	PDT	0.216	5		0	2L Distilled		Program done.	16L		0925	0910	0910	
MO-MPK	1	1	KH	10/26/2016	1250	PDT	0.077	0.2	<<channel toe	4	4L Distilled	80,388	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.				6712 time in PDT so updated back to PST	
MO-MPK	1	2	WBC,SC	10/28/2016	0804	PDT	0.214	3.8		2	2L Distilled		Program done.	NR		0830	0815	0815	
MO-MPK	1	3				PDT					2L Distilled		Program done.	18L					
MO-THO	1	1	KH	10/26/2016	1130	PDT	2.027	0		3	4L Distilled	28,854	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
MO-THO	1	2	WBC,SC	10/28/2016	0953	PDT	2.882	28		4			Sample 20 after 1 pulse	9L			1010	1010	
MO-THO	1	3	SG	10/29/2016	0849	PDT	1.986	0		0	2L Distilled	187,199	Program done.	18.5L		0852			
MO-VEN	1	1	WBC	10/26/2016	1315	PDT	NR			Turned on	4L Distilled	17,978	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					
MO-VEN	1	2	TL,DW	10/28/2016	0745	PDT	0.227	8	0.21	0			Sample 9 after 1 pulse	4L			0755	0755	Field Dups at 0755
MO-VEN	1	3	TL,DW	10/28/2016	1140	PDT	0.41	1		0	2L Distilled	49,550	Errors have occurred	4.5L		1240		Fridge too cold, partially freezing sample surface. Limited volume! Priority list.	
MO-HUE	1	1	KH	10/27/2016	1205	PDT	-	-	-	0	4L Distilled	25,142	Time: 6 min/500mx35, program disabled	Bottle in, lid off.					
MO-HUE	1	2	LM,SG	10/28/2016	1045	PDT	-	-	-	1			Program disabled	Empty				Capped bottle. Insufficient rain to qualify.	
MO-SPA	1	1	WBC	10/26/2016	1426	PDT			Dry	0	4L Distilled	59,979	Flow: 1 pulse/500mx35, program disabled	Bottle in, lid off.					

MO-SPA	1	2	WBC,SC	10/28/2016	0615	PDT	Flowing	2		Sample 3 after 1 pulse	1.5L	0615	0615
MO-SPA	1	3	LM,SG	10/28/2016	1255	PDT	Trickle flow	1	2L Distilled	Sample 35 after 1 pulse. Stopped program	85% full	1255	

Event Notes:

NR: Not recorded

All times are recorded here in PDT

Forecast Rain: 0.25"

Actual Rainfall: 0.1-0.5" across the county

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA:

10/28/16 @ 10:55 (SPA/FIL/SIM/MPK/THO) by Sean Casey

10/28/16 @ 10:00 (CC/OXN/VEN/FD-1) by Tommy Liddel

10/28/16 @ 10:17 (VR2/OJA/MEI) by Lara Meeker

Toxicity samples to ABC:

10/28/16 @ 12:10 (SPA/FIL/SIM/MPK/THO) by Sean Casey

10/28/16 @ 10:55 (CC/OXN/VEN) by Tommy Liddel

10/28/16 @ 09:47 (VR2/OJA/MEI) by Lara Meeker

Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier

10/28/16 @ 15:35 (All grabs and composites except SCR/CAM (not sampled) and CC/VR2/THO composites) by Steven S. Greer to Hector S. (Courier Service)

10/29/16 @ 11:20 (CC/VR2/THO composites) by Bill Carey to Hector S. (Courier Service)

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

MO-VEN and MO-OXN grab and composite sample times were incorrectly recorded as PST not PDT. Error was noticed and labs were notified to update their records on 11/30/2016

Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle	Comp Duration	Grab Time	Toxicity Time	Notes
							Level (feet)							status/ Estimated Vol (L)	(nearest half hrs)			
ME-CC	2	1	KH	11/18/2016	1300	PST	1.026	5	1.02	3	4L Distilled	356,797	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
ME-CC	2	2	AA,DW	11/20/2016	2310	PST	1.112	8		2			Program disabled	Empty		2325		
ME-CC	2	3	KH,SC	11/21/2016	1035	PST	1.846	264	~1.82	1	2L Distilled	735,685	Program done.	20L		1035		
ME-VR2	2	1	SG	11/18/2016	1506	PST	1.794	1		2	4L Distilled	11,448	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
ME-VR2	2	2	LM,SG	11/20/2016	2325	PST	1.98	3	1.95	3			Sample 3 after 1 pulse	Couple inches		2340		
ME-VR2	2	3	SG	11/21/2016	1047	PST	1.91	1	1.95	0	4L Distilled	704,379	Sample 32 after 1 pulse	18.5L		1052		Replace pump tubing!
ME-SCR	2	1	DRY			PST					2L Distilled		Time: 10 min/500mlx35, program disabled	Bottle in, lid off.				
ME-SCR	2	2	DRY			PST							Sample 26 in 1 min. Stopped					
ME-SCR	2	3	DRY			PST					2L Distilled		program Stopped	Almost full 18L				
MO-OJA	2	1	SG	11/18/2016	1403	PST	0.101	5	0	2	4L Distilled	5,419	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-OJA	2	2	LM,SG	11/20/2016	2105	PST	0.101	5	0	2			Program disabled	Empty		2105		
MO-OJA	2	3	SG	11/21/2016	0923	PST	0.1	5	0	4	4L Distilled	122,397	Program disabled	~1.5L		0928		Very limited volume - priority list
MO-MEI	2	1	SG	11/18/2016	1428	PST	0.081	1	0	0	4L Distilled	4,181	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-MEI	2	2	LM,SG	11/20/2016	2140	PST	0.081	1	0	1			Sample 15 after 1 pulse	Empty		2225		Had to wait for flow to be deep enough to take grabs
MO-MEI	2	3	SG	11/21/2016	0953	PST	0.081	1		0	4L Distilled	157,524	Program disabled	40% full		0958		Limited volume - priority list
MO-FIL	2	1	KH	11/18/2016	1020	PST	0.043	-		3	4L Distilled	204,053	Time: 10 min/500mlx35, program disabled	Bottle in, lid off.				
MO-FIL	2	2	WBC,BM	11/20/2016	2215	PST	0.368	-		2			Sample 4 in 7 min.	2L		2215		
MO-FIL	2	3	KH,SC	11/21/2016	0900	PST	0.044	-		1	2L Distilled	363,989	Program done, errors occurred.	15L		0900		Samples 33-35 (03:11-03:31) No More Liquid.
MO-OXN	2	1	SG	11/18/2016	1018	PST	0.108	0.2		0	4L Distilled	4,980	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-OXN	2	2	AA,DW	11/20/2016	2045	PST	0.109	0.2		0.5			Program disabled			2100		Light in house not working
MO-OXN	2	3	LM,DW	11/21/2016	0956	PST	0.108	0.2		3	2L Distilled	291,015	Program done.	19L		1000		Tubing inside fridge needs changed.
MO-CAM	2	1	KH	11/18/2016	1330	PST	0.033	10	Channel mostly dry	Turned on	4L Distilled	111,629	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-CAM	2	2	AA,DW	11/20/2016	2130	PST	0.035	10		-6			Program disabled	Empty		2145	2145	
MO-CAM	2	3	LM,DW	11/21/2016	0840	PST	0.035	10		2	2L Distilled	198,138	Program done	Full (18.5L)		0845		
MO-SIM	2	1	KH	11/18/2016	1135	PST	0.139	2	<channel toe	0	4L Distilled	144,600	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-SIM	2	2	WBC,BM	11/20/2016	2345	PST	0.271	9		4	2L Distilled		Sample 32 in 3 min	15L		0004	2345	Composite pulled 11/21/16
MO-MPK	2	1	KH	11/18/2016	1100	PST	0.0671	0.1	center of channel damp	2	4L Distilled	228,205	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-MPK	2	2	WBC,BM	11/20/2016	2300	PST	0.152	1.8		4			Sample 5 after 1 pulse	2L		2300		
MO-MPK	2	3	KH,SC	11/21/2016	0935	PST	0.072	0.2	<bubbler	2	2L Distilled		Program done, Errors occurred	16L		0935		Sample 30 @ 00:41 - No more liquid.
MO-THO	2	1	KH,SC	11/18/2016	1220	PST	2.033	0		0	4L Distilled	198,787	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-THO	2	2	WBC,BM	11/21/2016	0045	PST	2.771	21		4			Sample 17 after 1 pulse	50%		0045		
MO-THO	2	3	KH,SC	11/21/2016	1000	PST	2.099	1		2	2L Distilled	358,911	Program done	18L		1000		
MO-VEN	2	1	SG	11/18/2016	1110	PST	0.041	1		Turned on	4L Distilled	5,497	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-VEN	2	2	LM,SG	11/21/2016	0020	PST	0.235	8		15	2L Distilled	148,659	Program done	18.5L		0025	0035	
MO-HUE	2	1	SG	11/18/2016	1153	PST	-	-	-	6	4L Distilled	4,776	Time: 10 min/500mlx35, program disabled	Bottle in, lid off.				
MO-HUE	2	2	AA,DW	11/20/2016	2220	PST	-	-	-	2			Sample 13 in 8 min	25%		2240	2240	Salinity >2ppt so add topsmelt for tox
MO-HUE	2	3	LM,DW	11/21/2016	0919	PST	-	-	-	1	2L Distilled	192,406	Program done.	18.5L		0920		

MO-SPA	2	1	KH	11/18/2016	0956	PST	-	-	Dry	-1	4L Distilled	214,068	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.		
MO-SPA	2	2	WBC,BM	11/20/2016	2100	PST	-	-	Flowing	2			Sample 3 after 1 pulse	1L	2130	Bacteria field blank collected at MO-SPA.
MO-SPA	2	3	KH,SC	11/21/2016	0840	PST	-	-	No flow	2	2L Distilled	366,067	Program done.	14L	0840	Might be non-qual event (0.12" at #245). Check after hydros download gauge.

Event Notes:

NR: Not recorded

All times are recorded here in PST

Forecast Rain: 0.5-1.5"

Actual Rainfall: 0.25" - 0.67" at most sites across the county

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA:

11/21/16 @ 01:30 (SPA/FIL/SIM/MPK/THO+FB) by WB Carey

11/21/16 @ 00:05 (CC/CAM/OXN/HUE) by Arne Anselm

11/21/16 @ 01:20 (VR2/OJA/MEI/VEN) by Steven (Scott) Greer

Toxicity samples to ABC:

11/21/16 @ 08:42 (CAM/HUE) by Steven (Scott) Greer

Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier

11/21/16 @ 13:45 (All sites, grabs and composites) by Kelly Hahs to Austin Sy (Courier)

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle	Comp	Grab Time	Toxicity Time	Notes
							Level (feet)							status/ Estimated Vol (L)	Duration (nearest half hrs)			
ME-CC	3	1	WBC	12/15/2016	1040	PST	1.107	8				735,685	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				6712 needs desiccant
ME-CC	3	2	LM,BM	12/15/2016	2315	PST	1.337	52	1	2	2L Distilled		Sample 3 after 1 pulse	2L		2320		
ME-CC	3	3	LM,BM	12/16/2016	1050	PST	2.485	781		2	2L Distilled	1,118,939	Sample 24 after 1 pulse	Full		1055		Change pump tubing
ME-VR2	3	1	WBC	12/14/2016	1413	PST	1.881	1		4	2L Distilled	718,711	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
ME-VR2	3	2	SG,DW	12/15/2016	2135	PST	1.989	3	2	0			Sample 4 after 1 pulse	1.5L		2150		
ME-VR2	3	3	SG,DW	12/16/2016	1032	PST	2.079	5	2	2	2L Distilled	1,059,451	Program done.	Bottle full		1035		Change pump tubing
ME-SCR	3	1	No flow			PST					2L Distilled		Time: 20 min/500mlx35, program disabled	Uncapped bottle				
MO-OJA	3	1	WBC	12/14/2016	1315	PST	0.102	5	No flow	4	2L Distilled	126,476	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-OJA	3	2	SG,DW	12/15/2016	2010	PST	0.102	5		2			Program disabled	Empty		2010		
MO-OJA	3	3	SG,DW	12/16/2016	0933	PST	0.108	6		0	4L Distilled	217,137	Program done.	18L		0936		
MO-MEI	3	1	WBC	12/14/2016	1344	PST	0.08	1	No flow	Turned on	2L Distilled	161,172	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-MEI	3	2	SG,DW	12/15/2016	2046	PST	0.12	3		0			Sample 4 after 1 pulse	1.5L		2100		
MO-MEI	3	3	SG,DW	12/16/2016	0956	PST	0.089	1		0	4L Distilled	245,613	Program done.	19L		1000		Fridge turned off
MO-FIL	3	1	WBC	12/14/2016	1118	PST	0.066	-		4	2L Distilled	363,989	Time: 20 min/500mlx35, program disabled	Bottle in, lid off.				
MO-FIL	3	2	WBC,DM	12/15/2016	1928	PST	0.197	-		4			Program disabled	Empty		1940		
MO-FIL	3	3	KH,DM	12/16/2016	0920	PST	0.136	-		3	2L Distilled	521,451	Program done.	17L		0920		
MO-oxn	3	1	SG	12/14/2016	0920	PST	0.109	0.3		2	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				Channel water green - Oxnard rep notified
MO-oxn	3	2	LM,BM	12/15/2016	2025	PST	0.788	14.9	0.8	2			Sample 5 after 1 pulse	2L		2030		
MO-oxn	3	3	LM,BM	12/16/2016	0930	PST	0.169	0.7		0	2L Distilled	428,869	Program done.	16L		0935		High water mark ~ 1'
MO-CAM	3	1	SG	12/14/2016	1111	PST	0.031	10	~1' wide flow in invert	Turned on	4L Distilled	203,515	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-CAM	3	2	LM,BM	12/15/2016	NR	PST	0.208	30	0.1	-1			Sample 14 after 1 pulse	6L		2145		Field duplicates also at 2145
MO-CAM	3	3	LM,BM	12/16/2016	1124	PST	0.033	10	Flow ~ 1/2 way to toe	1	2L Distilled	290,375	Program done.	18L		1126		
MO-SIM	3	1	WBC	12/15/2016	0921	PST	0.145	2		4	2L Distilled	218,677	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-SIM	3	2	WBC,DM	12/15/2016	2100	PST	0.348	16		4			Sample 14 after 1 pulse	7L		2100		
MO-SIM	3	3	KH,DM	12/16/2016	1020	PST	0.145	2	Almost to channel toe	2	2L Distilled	296,201	Program done.	18L		1020		
MO-MPK	3	1	WBC	12/15/2016	0843	PST	0.072	0.1	Dry	4	2L Distilled	373,367	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-MPK	3	2	WBC,DM	12/15/2016	2030	PST	0.304	7.8		4			Sample 5 after 1 pulse	2L		2030		
MO-MPK	3	3	KH,DM	12/16/2016	0950	PST	0.131	1.2	<channel toe	2	2L Distilled	520,592	Program done.	18L		0950		
MO-THO	3	1	WBC	12/15/2016	1003	PST	2.008	0		4	2L Distilled	358,911	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				Fridge needs PVC distributor
MO-THO	3	2	WBC,DM	12/15/2016	2145	PST	3.198	49		4			Sample 10 after 1 pulse	5L		2145		
MO-THO	3	3	KH,DM	12/16/2016	1056	PST	2.249	2		2	2L Distilled	522,887	Program done.	17L		1100		
MO-VEN	3	1	WBC	12/15/2016	1124	PST	0.041	1	Dry	4	2L Distilled	148,659	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.				
MO-VEN	3	2	SG,DW	12/15/2016	1838	PST	0.211	7		0			Errors have occurred	75% full		1850		"No more liquid" sample 1, 12-13 (18:34, 22:42 & 22:44) No error message samples 2-11, 14-35 (19:19-22:26 & 22:54-23:57)
MO-VEN	3	3	SG,DW	12/16/2016	1128	PST	0.046	1	~0.05	0	4L Distilled	245,807	Program done/Errors have occurred.	Full		1130		
MO-HUE	3	1	SG	12/14/2016	1008	PST	NA	NA	NA	0	4L Distilled	NR	Time: 20 min/500mlx35, program disabled	Bottle in, lid off.				

MO-HUE	3	2	LM,BM	12/15/2016	1908	PST	NA	NA	4.4	2			Sample 3 in 00:05	1L	1915	
MO-HUE	3	3	LM,BM	12/16/2016	1017	PST	NA	NA	NA	0	2L Distilled	351,459	Program done.	19L	1018	
MO-SPA	3	1	WBC	12/14/2016	1053	PST	NA	NA	NA	4	2L Distilled	369,157	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.		
MO-SPA	3	2	WBC,DM	12/15/2016	1845	PST	NA	NA	NA	4			Sample 2 after 1 pulse	1L	1845	Bacteria Field Blank @ 1845
MO-SPA	3	3	KH,DM	12/16/2016	0853	PST	NA	NA	Flow present	4	2L Distilled	520,867	Program done.	14L	0853	

Event Notes:

NR: Not recorded

All times are recorded here in PST

Forecast Rain: 1-3" across county

Actual Rainfall: 1" - 2" at most sites across the county

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA:

12/15/16 @ 22:40 (SPA+FB/FIL/SIM/MPK/THO) by WB Carey

12/16/16 @ 00:15 (CC/CAM+FD/OXN/HUE) by Lara Meeker

12/15/16 @ 22:47 (VR2/OJA/MEI/VEN) by Steven (Scott) Green

Toxicity samples to ABC:

None

Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier

12/16/16 @ 14:20 (All sites, grabs and composites) by Kelly Hahs to Leon Pinuelas (Essentials Courier)

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp	Comp bottle status/ Estimated Vol (L)	Duration	Comp Time	Grab Time	Toxicity Time	Notes
							Level (feet)							(nearest half hrs)						
ME-SCR	4	1	WBC	1/4/2016	1019	PST	6.471	NA	NA	2	2L Distilled	NR	Time: 20 min/500mlx35, program disabled	Onsite, removed lid.						Checked calibration. Pulling 600ml.
ME-SCR	4	2	WBC,LM	1/5/2016	0908	PST	7.22	NA	NA	2	2L Distilled	644,483	Program done	Overfull		0910	0930	0930		

Event Notes:

NR: Not recorded

All times are recorded here in PST

Forecast Rain: 0.5"

Actual Rainfall: 0.93"

Storm Control: Bill Carey

Sample Tracking:

Bacteria samples to VCHCA:

01/05/17 @ 10:50 by Lara Meeker to Salvador Barragan

Toxicity samples to ABC:

01/05/17 @ 11:11 by Lara Meeker to Wendy Willis

Grab and composite samples to Weck Laboratories, Inc. by Weck courier

01/05/17 @ 14:20 (SCR grabs and composites) by Bill Carey to Carlos N. (Weck)

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

Site	Event	Visit	Staff	Date	Arrival Time	PST/PDT	Flowmeter Level (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	Comp Duration (nearest half hrs)	Comp Time	Grab Time	Toxicity Time	Notes
ME-VR2	5	1	WBC	1/18/2017	1120	PST	1.994	3	1.99	4	2L Distilled	0	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.					Replaced both pump tubes and reset counts to 0. Calibrated 500ml. Replaced 4230 and 2105 desiccant.
ME-VR2	5	2	SG,DW	1/19/2017	0250	PST	2.128	7	2.15	0			Sample 4 after 1 pulse	~2L			03:10		
ME-VR2	5	3	KH,WBC	1/19/2017	0945	PST	2.166	8	NR	2	2L Distilled	366,649	Program done.	18.5L (overfilled)	8	09:45			
ME-SCR	5	1	KH	1/18/2017	1110	PST	7.086	NA	NA	0	3L Distilled	644,483	Time: 20 min/500mlx35, program disabled	Bottle in, lid off.					Checked calibration with grab sample. Heavy sediment load. 540 ml delivered.
ME-SCR	5	2	LM,SC	1/19/2017	0317	PST	6.377	NA	NA	1			Sample 7 in 06:40	~4.5L			03:30		
ME-SCR	5	3	KH,SC	1/19/2017	1315	PST	8.375	NA	NA	0	2L Distilled	902,416	Program done.	18.5L (overfilled)	11.5	13:15			Change pump tubing. Distinct sediment line in bottle (approx 1/3 sediment)
MO-OJA	5	1	WBC	1/18/2017	0938	PST	0.101	5	No flow	4	2L Distilled	220,124	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.					Needs 4230 and 6712 desiccant
MO-OJA	5	2	SG,DW	1/19/2017	0105	PST	0.151	9	Not Recorded	0			Sample 6 after 1 pulse	~2.5L			01:15		Get OSS from SG photo once he uploads them to K drive. Heavy flow from nearby upstream pipe while sampling
MO-OJA	5	3	SG,DW	1/19/2017	0330	PST	0.129	7	Recorded	0	4L Distilled	310,830	Program done.	17L	2	04:00			Get OSS from SG photo once he uploads them to K drive.
MO-MEI	5	1	WBC	1/18/2017	1013	PST	0.082	1	No flow	Turned on	2L Distilled	248,586	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.					Get OSS from SG photo once he uploads them to K drive.
MO-MEI	5	2	SG,DW	1/19/2017	0150	PST	0.24	11	Not Recorded	2			Sample 14 after 1 pulse	~5L			02:00		Get OSS from SG photo once he uploads them to K drive. Turned fridge off.
MO-MEI	5	3	SG,DW	1/19/2017	0420	PST	0.33	20	~0.2	0	2L Distilled	332,422	Program done.	20L	2	04:20			
MO-CAM	5	1	KH	1/18/2017	1015	PST	0.033	10	<0.01 cfs invert only	Turned on	4L Distilled	292,795	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.					
MO-CAM	5	2	LM,SC	1/19/2017	0223	PST	0.499	87	0.5	1			Sample 27 after 1 pulse	~10L			02:35		
MO-CAM	5	3	KH,WBC	1/19/2017	1025	PST	0.031	10	<0.01 cfs invert only	4	2L Distilled	381,775	Program done.	18L	8.5	10:25			Turned fridge off. 4230 needs desiccant.
MO-VEN	5	1	KH	1/18/2017	0840	PST	0.04	0	mostly dry	4	4L Distilled	252,152	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off.					
MO-VEN	5	2	LM,SC	1/19/2017	0140	PST	0.89	77	NR	4			Sample 11 after 1 pulse	~3L			01:55		
MO-VEN	5	3	KH,WBC	1/19/2017	1050	PST	0.054	1	sheet flow to toe	0	2L Distilled	349,786	Program done.	18L	8.5	10:50			Turned fridge off.
MO-HUE	5	1	KH	1/18/2017	0930	PST	NA	NA	NA	1	4L Distilled	356,812	Time: 20 min/500mlx35, program disabled	Bottle in, lid off.					
MO-HUE	5	2	LM,SC	1/19/2017	0052	PST	NA	NA	~4.6	1			Sample 2 in 00:17	~1L			01:05		
MO-HUE	5	3	KH,SC	1/19/2017	12:25	PST	NA	NA	NA	2	2L Distilled	509,430	Program done.	18L	11.5	12:25			

Event Notes:

NR: Not recorded
All times are recorded here in PST
Forecast Rain: ~1"
Actual Rainfall: ~1"
Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA:
01/19/2017 @ 05:25 (VR2/OJA/MEI) by Steven (Scott) Greer
01/19/2017 @ 04:15 (SCR/CAM/VEN/HUE) by Sean Casey

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444

Toxicity samples to ABC:
None

Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier:
01/19/2017 @ 14:30 (All sites, grabs and composites) by Kelly Hahs to Steve Yudani (?)(Essentials Courier)

41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	Comp	Comp Time	Grab Time	Toxicity Time	Notes
							Level (feet)								Duration (nearest half hrs)				
ME-SCR	6	1	KH,WBC	5/3/2017	0855	PDT	7.413			4	4L Distilled	134,259	Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Fridge not working properly. Thin layer of ice on top of bottle. Grabs taken in diversion canal.
ME-SCR	6	2	KH,SSG	5/4/2017	0930	PDT	6.772			-13	4L Distilled	346,417	Program done	18L	24	0940	0940		
MO-FIL	6	1	KH,WBC	5/3/2017	0740	PDT	0.256			4	4L Distilled	527,886	Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Cleared sediment in channel from near intake and bubbler to redirect flow past them.
MO-FIL	6	2	KH,SSG	5/4/2017	0815	PDT	0.265			2	4L Distilled		Program done	16L	24	0820	0820		
MO-OXN	6	1	KH,WBC	5/3/2017	1020	PDT	DRY		DRY	2	4L Distilled		Time: 20 min/500mlx35, delay start 12 hrs. Program disabled	Bottle in, lid off					Homeless camp directly behind sampler house. Channel completely dry. No evidence of recent flow. Delayed start 12 hour in case flow starts. Used silicone dam and calibration line for sampling.
MO-OXN	6	2	KH,SSG	5/4/2017	1145	PDT	0.109		DRY	0	4L Distilled	679,730	Program done. Errors.	0.5L	12	1150	1150		Program errors: No liquid detected samples 1-11 and 15-35; no more liquid samples 12-14. Very small flow overnight. Channel dry ~ 300m upstream. Extremely limited composite sample volume.
MO-VEN	6	1	KH,WBC	5/3/2017	0945	PDT	0.04		<<oss (trickle)	Turned on	4L Distilled	355,145	Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Used silicone dam and calibration line for sampling.
MO-VEN	6	2	KH,SSG	5/4/2017	1040	PDT	0.057		<<oss (trickle)	2	4L Distilled	459,333	Program done. Errors.	13L	24	1050	1050		Program errors: Good samples 1-16 and 32-35, no liquid detected samples 20-28; no more liquid samples 17-19 and 29-31.
MO-SPA	6	1	KH,WBC	5/3/2017	0815	PDT	DRY		DRY	4	4L Distilled	526,737	Time: 5 min/500mlx35, program disabled. Set to enable with flow	Bottle in, lid off					Used silicone dam in case of overnight flow.
MO-SPA	6	2	KH,SSG	5/4/2017	0855	PDT	DRY		DRY	3	4L Distilled		Disabled	DRY		DRY	DRY		No samples taken
ME-CC	6	1	KH,WBC	5/17/2017	1010	PDT	1.052	5		Turned on	4L Distilled	Replaced	Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Calibrated sample volume.
ME-CC	6	2	KH,WBC	5/18/2017	1040	PDT	1.095	7		0	4L Distilled	368,952	Program done	Full (>18.5L)	24	1035	1040		
MO-CAM	6	1	KH,WBC	5/17/2017	1055	PDT	0.034	10	<<oss (trickle)	Turned on	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Used silicone dam and calibration line for sampling.
MO-CAM	6	2	KH,WBC	5/18/2017	1120	PDT	0.034	10	<<oss (trickle)	4	4L Distilled		Program done. Errors.	17L	24	1120	1125		Program errors: Good samples 1-14 and 19-35; no more liquid samples 15-18.
MO-SIM	6	1	KH,WBC	5/17/2017	0850	PDT	0.162	3		-4	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Used calibration line for sampling.
MO-SIM	6	2	KH,WBC	5/18/2017	0915	PDT	0.157	2		NR	4L Distilled	377,327	Program done.	18.5L	24	0915	0915		
MO-MPK	6	1	KH,WBC	5/17/2017	0800	PDT	0.074	0.2	<<oss (trickle)	0	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Used silicone dam and calibration line for sampling.

MO-MPK	6	2	KH,WBC	5/18/2017	0810	PDT	0.075	0.2	<<oss (trickle)	0	4L Distilled	709,434	Program done. Errors.	11L	24	0810	0810		Program errors: Good samples 1-16, 18, and 20-35, no liquid detected sample 19; no more liquid sample 17.
MO-THO	6	1	KH,WBC	5/17/2017	0930	PDT	1.989	0		4	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Program errors: Good samples 1-14 and 34-35, no liquid detected samples 17-33; no more liquid samples 15-16.
MO-THO	6	2	KH,WBC	5/18/2017	1000	PDT	2.035	0		3	4L Distilled	695,280	Program done. Errors.	17L	24	1010	1010		
ME-VR2	6	1	KH,WBC	5/22/2017	1000	PDT	Malfunction			0	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Found intake (moved by winter storms). Line still functioning. Checked calibration. Flowmeter malfunctioning. Cleared out sediment but malfunction continued. Flowmeter reading taken after digging out, reaming and purging line.
ME-VR2	6	2	KH,WBC	5/23/2017	1055	PDT	1.582			2	4L Distilled	732,553	Program done.	18.5L	24	1110	1110		
MO-OJA	6	1	KH,WBC	5/22/2017	0815	PDT	0.101	5	<<oss (trickle)	2	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Used silicone dam and calibration line for sampling.
MO-OJA	6	2	KH,WBC	5/23/2017	0910	PDT	0.101	5	<<oss (trickle)	2	4L Distilled	408,300	Program done.	18.5L	24	0920	0920		
MO-MEI	6	1	KH,WBC	5/22/2017	0920	PDT	DRY			Turned on	4L Distilled		Time: 20 min/500mlx35, delay start 12 hrs. Program disabled	Bottle in, lid off					Used silicone dam and calibration line for sampling.
MO-MEI	6	2	KH,WBC	5/23/2017	1026	PDT	DRY						Program done.	DRY		DRY	DRY		Removed comp and grab bottles from site.
MO-HUE	6	1	KH,WBC	5/22/2017	1115	PDT	NA			20	4L Distilled		Time: 40 min/500mlx35	Bottle in, lid off. Sample 1 vol good.					Fridge broken. Put ice in cube container around comp bottle and entire cooler in fridge to keep cold.
MO-HUE	6	2	KH,WBC	5/23/2017	1210	PDT	NA			NA	4L Distilled	664,829	Program done.	17L	24	1220	1220		Ice still present in cooler. Station pumps off. Dead bird at steps near grab sample area.

Event Notes:

NA: Not applicable
NR: Not recorded

Sample Tracking:

Bacteria samples to VCHCA:
05/04/17 @ 13:41 PDT (SCR/FIL/OXN/VEN) by Kelly Hahs
05/18/17 @ 12:08 PDT (CC/CAM/MPK/SIM/THO) by Kelly Hahs
05/23/17 @ 13:04 PDT (VR2/OJA/HUE) by Kelly Hahs

Toxicity samples to ABC:
NA

Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier:
05/04/17 @ 14:55 PDT (SCR/FIL/OXN/VEN) by Kelly Hahs to David Levy (Reliable Messenger Service)
05/18/17 @ 15:20 PDT (CC/CAM/MPK/SIM/THO) by Kelly Hahs to David Levy (Reliable Messenger Service)
05/23/17 @ 14:40 PDT (VR2/OJA/HUE) by Kelly Hahs to David Levy (Reliable Messenger Service)

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

Appendix E. Chain-of Custody Forms



Chain of Custody Record

6118075

Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Pre-season - Weck Laboratories. Invoice Contract No **AE17-001**

Sampling Date: 8/18/16

Project Number: 2016/17-PRE

Sampling Team: K. HAHS, W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	EPA 525.2	EPA 625-CTR	EPA 200.8* (total only, see list in side bar) EPA 245.1. Hg (total only)	No action required	Clean with detergent and HNO3**	Please dispose of per Lab SOP	Quantity	NOTES
EB lines	8/18/16 1045	4	2	1				7	(MO-VEN)
EB composite	↓ 1430	X	X	X				1	To be split in lab
18.5 L carboy and lid						X		1	Please place tape or plastic bag over top
Blue cube cooler					X			1	
Black bag					X			1	
Waste Dilute HNO3							X	2	~3L (1 quart 1% HNO3 + 2L distilled water used for cleaning our equipment)

Relinquished

Printed Name KELLY HAHS

Signature [Signature]

Affiliation VCWPD

Date/Time 8/18/16 / 1520

Received

Printed Name ALLAN GOLDBERG

Signature [Signature]

Affiliation Weck Labs

Date/Time 8/18/16 / 1520

RELINQ X
Other Notes:

ALLAN G 8/18/16 1818
Please use for MS/MSD analysis when sample volume permits.

** Please clean with detergent, nitric acid, and deionized water per SOP.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season

Pre-season - Weck Laboratories. Invoice Contract No. AE17-001

Sampling Date: 10/7/16 Project Number: 2016/17-PRE

Sampling Team: K. HAHS

SAMPLE ID	DATE/TIME COLLECTED	EPA 200.8* (total only, Al, Cr, Cu, Fe, Ni, Pb, Zn)								Quantity	NOTES
Blank bottle 1	10/7/16 10:00	X								1	Test is to check for contaminant residue. Please use as little water as possible to create sample. Do not overdilute sample!
Blank bottle 2	10/7/16 10:00	X								1	Test is to check for contaminant residue. Please use as little water as possible to create sample. Do not overdilute sample!

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 10/7/16 / 1330

Received Printed Name ALLAN GOLDBERG
 Signature [Signature] ALLAN G
 Affiliation Weck Labs Date/Time 10/7/16 / 1330

Other Notes: new 2 x al new G 10/7/16 1638 Janet 10/7/16 1638

21.50



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 10/28/16

Project Number: 2016/17-1 (Net)

Sampling Team: T. LIDDELL, D. WILKINSON

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	10/28/16 0900 ^{PDT}	X	X	X	X	X	X	2	
	ME-SCR		X	X	X	X	X	X	2	
	ME-VR2		X	X	X	X	X	X	2	
	MO-CAM		X	X		X	X	X	2	
	MO-OJA		X	X		X	X	X	2	
	MO-MEI	0755	X	X		X	X	X	2	
	MO-VEN	10/28/16 0655 ^{PDT}	X	X		X	X	X	2	
	FD-1	10/28/16 0655 ^{PST}	X	X		X	X		1	
		0755								

Relinquished Printed Name TOMMY LIDDELL
 Signature Tommy Liddell
 Affiliation VCWPD Date/Time 10/28/16 1000

Received Printed Name Nadia West
 Signature Nadia West
 Affiliation PHLAB Date/Time 10/28/16 1000

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 10/28/16 Project Number: 2016/17-1 (Wet)

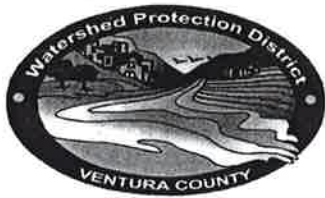
Sampling Team: T. LIDDELL, D. WILKINSON

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	
	MO-FIL		X	X		X	X	X	2	
	MO-SIM		X	X		X	X	X	2	
	MO-MPK		X	X		X	X	X	2	
	MO-THO		X	X		X	X	X	2	
	MO-OXN	10/28/16 06:58	X	X		X	X	X	2	
	MO-HUE	0715	X	X		X	X	X	2	

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 10-28-16
 Sampling Team: Lara Meeker & Scott Greer

Project Number: 2016/17-1 (Wet)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	2	
	ME-SCR		X	X	X	X	X	X	2	
	ME-VR2	10/28/16 0720	X	X	X	X	X	X	2	
	MO-CAM		X	X		X	X	X	2	
	MO-OJA	10/28/16 0450	X	X		X	X	X	2	
	MO-MEI	10/28/16 0555	X	X		X	X	X	2	
	MO-VEN		X	X		X	X	X	2	
	FD-1		X	X		X	X		1	

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation VCWPD Date/Time 10-28-16 10:17

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH LAB Date/Time 10/28/16 10:17

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2) 1 of 1

Sampling Date: 10/28/16 Project Number: 2016/17-1 (Wet)

Sampling Team: WBC, SC

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA	10/28/16 06:15	X	X		X	X	X	2	
	MO-FIL	10/28/16 07:00	X	X		X	X	X	2	
	MO-SIM	10/28/16 09:10	X	X		X	X	X	2	
	MO-MPK	10/28/16 08:15	X	X		X	X	X	2	
	MO-THO	10/28/16 10:10	X	X		X	X	X	2	
	MO-ONN		X	X		X	X	X	2	
	MO-ITUE		X	X		X	X	X	2	

Relinquished Printed Name SEAN CASEY
 Signature [Signature]
 Affiliation VCWPD Date/Time 10/28/16 10:30

Received Printed Name Sgt. Y. BARRAGAN
 Signature [Signature]
 Affiliation P.H. - LAB Date/Time 10/28/16 10:55

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 1

Sampling Date: 10-28-16 Project Number: 2016/17-1 (Wet)
 Sampling Team: Lara Meeker & Scott Greer

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-CC		X							2	Note 1, Note 2, Note 3
ME-SCR					X				1	Note 1, Note 2, Note 3
ME-VR2	10/28/16 0720	X							2	Note 1, Note 2, Note 3
MO-CAM						X			2	Note 1, Note 2, Note 3
MO-OJA	10/28/16 0420					X			2	Note 1, Note 2, Note 3
MO-MEI	10/28/16 0555					X			2	Note 1, Note 2, Note 3
MO-VEN							X		2	Note 1, Note 2, Note 3

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation VC WPD Date/Time 10-28-16 9:47

Received Printed Name Karin Wisenbaker
 Signature [Signature]
 Affiliation ABC Date/Time 10-28-16 9:47

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Sides 2 of 2 10/1

Sampling Date: 10/28/16
 Sampling Team: WBC, SC

Project Number: 2016/17-1 (Wet)

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN						X			2	Note 1, Note 2, Note 3
MO-TUE							X		3	Note 1, Note 2, Note 3, Note 4
MO-THO	10/28/16 10:10						X		2	Note 1, Note 2, Note 3
MO-MPK	10/28/16 08:15							X	2	Note 1, Note 2, Note 3
MO-SIM	10/28/16 09:10						X		2	Note 1, Note 2, Note 3
MO-FIL	10/28/16 07:00						X		2	Note 1, Note 2, Note 3
MO-SPA	10/28/16 06:15					X			2	Note 1, Note 2, Note 3

Relinquished Printed Name SEAN CASEY
 Signature [Signature]
 Affiliation VCWPD Date/Time 10/28/16 10:50

Received Printed Name E-MADRANO
 Signature [Signature]
 Affiliation ABC LABS Date/Time 10/28/16 12:00

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.
Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 2

Sampling Date: 10/28/16 Project Number: 2016/17-1 (Wet)
 Sampling Team: T. LIDDELL, D. WILKINSON

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-CC	10/28/16 0900 PPT	X							2	Note 1, Note 2, Note 3
ME-SCR					X				1	Note 1, Note 2, Note 3
ME-VR2		X							2	Note 1, Note 2, Note 3
MO-CAM						X			2	Note 1, Note 2, Note 3
MO-OJA						X			2	Note 1, Note 2, Note 3
MO-MEI						X			2	Note 1, Note 2, Note 3
MO-VEN	10/28/16 0655						X		2	Note 1, Note 2, Note 3
	0755									

Relinquished Printed Name TOMMY LIDDELL
 Signature [Signature]
 Affiliation VCCWD Date/Time 10/28/16 1055 PPT

Received Printed Name D. MATTHEW
 Signature [Signature]
 Affiliation ABC LABS. Date/Time 10-28-16 1055

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record

Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season

Toxicity - ABC Laboratories

Side 2 of 2

Sampling Date:

10/28/16

Project Number: 2016/17-1 (Wet)

Sampling Team:

T.L. D.W.

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN	10/28/16 0815 PDT					X			2	Note 1, Note 2, Note 3
MO-HUE	0715 PDT						X		3	Note 1, Note 2, Note 3, Note 4
MO-THO							X		2	Note 1, Note 2, Note 3
MO-MPK								X	2	Note 1, Note 2, Note 3
MO-SIM							X		2	Note 1, Note 2, Note 3
MO-FIL							X		2	Note 1, Note 2, Note 3
MO-SPA						X			2	Note 1, Note 2, Note 3

Relinquished

Printed Name

Signature

Affiliation

Date/Time

Received

Printed Name

Signature

Affiliation

Date/Time

Other Notes:

Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%

Note 3: Notify District within 24 hours if significant toxicity is observed.

Note 4: If salinity > 2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*



6328068

Chain of Custody Record

Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date:

10/28/2016

Project Number: 2016/17-1 (Wet) Grabs

Sampling Team:

Steven Greer, Kelly Hahn, W.D. Carey, Lara Macker, Tommy L. Dean W. Sean C.

SAMPLE ID	DATE/TIME COLLECTED													Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									
ME-CC	10/28/16 0900	2	1	2	3	1								9	
ME-SCR		2	1	2	3	1								9	
ME-VR2	10/28/16 0720	2	1	2	3	1								9	
MO-CAM		2	1	2	3	1								9	
MO-OJA	10/28/16 0450	2	1	2	3	1								9	
MO-MEI	10/28/16 0555	2	1	2	3	1								9	
MO-VEN	10/28/16 0655	2	1	2	3	1								9	
MO-OXN	10/28/16 0615	2	1	2	3	1								9	
FD-1	10/28/16 0655	2	1	2	3	1								9	Data and time was taken from sample containers -DG 10/28/16

Relinquished

Printed Name

Steven S. Greer

Signature

[Signature]

Affiliation

VCWPD: WRSI

Date/Time

10/28/2016

Received

Printed Name

MATT AULIN

Signature

[Signature]

Affiliation

COURTESY DRIVER

Date/Time

10/28/2016 3:34pm

Other Notes:

Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)

EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve

Janetman 10/28/16 18:15 10°C



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Week Laboratories (SIDE 1 of 2)

6J28070

Sampling Date: 10/28/2016 Project Number: 2016/17-1 (Wet) Composites
 Sampling Team: Steven Green, Kelly Hahn, WB Carey, Lara Meeker, Tommy L., Dean W., Sean C.

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC		X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-SCR		X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-VR2	10/28/16 0730	X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-CAM	10/28/16	X	X	X	X	X	X	X	X	X	X	X	X	1	Cleaned
MO-OJA	10/28/16 0845	X	X	X	X	X	X	X	X	X	X	X	X	1	Time: 845
MO-MEI	10/28/16 0915	X	X	X	X	X	X	X	X	X	X	X	X	1	Time: 915
MO-VEN	10/28/16 1140	X	X	X	X	X	X	X	X	X	X	X	X	1	

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg

Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test

Relinquished

Printed Name

Steven S. Green

Signature

[Signature]

Affiliation

VCWPD: WRSI

Date/Time

10/28/2016

Received

Printed Name

MATT AMEN

Signature

[Signature]

Affiliation

COVERLY PRIVER

Date/Time

10/28/2016 3:35 pm

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

6528070

Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Week Laboratories (SIDE 2 of 2)

Sampling Date:

10/28/2016

Project Number: 2016/17-1 (Wet) Composites

Sampling Team:

Steven Green, Kelly Hahn, WPD Gary, Lara Meeker, Tommy L., Dean W., Sean C.

SAMPLE ID	DATE/TIME COLLECTED				Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	10/28/2016 12:35pm				X	X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg
MO-FIL	10/28/2016 1:18pm				X	X	X	X	X	X	X	X	X	X	X	1	Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K
MO-SIM	10/28/16 09:25				X	X	X	X	X	X	X	X	X	X	X	1	608 include alpha- & gamma-chlordane
MO-MPK	10/28/16 09:30				X	X	X	X	X	X	X	X	X	X	X	1	* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS
MO-THO	10/28/16				X	X	X	X	X	X	X	X	X	X	X	1	Lab to select samples for MS/MSD where extra volume permits (all test
MO-oxn	10/29/16 0920 157				X	X	X	X	X	X	X	X	X	X	X	1	
MO-HUT					X	X	X	X	X	X	X	X	X	X	X	1	

Requisitioned

Printed Name

Steven S. Green

Signature

Steven S. Green

Affiliation

VCWPD / WRSI

Date: 10/28/2016

Received

Printed Name

Mark Allen

Signature

Mark Allen

Date: 10/28/2016 3:35pm



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 10/28/2016 Project Number: 2016/17-1 (Wet) Cleaning
 Sampling Team: Steven Gireon, Kelly Hah, WTB Carrey, Lura Meeker, Tommy L., Dean W, Sean C

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid	3			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler	3		9	
Black bags			9	
20 L narrow neck carboy, 2 lids, attachment assembly	6			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name Steven S. Gireon
 Signature [Signature]
 Affiliation Ventura County Watershed Protection District Date/Time 10/28/2016

Received Printed Name MATT ALLEN
 Signature [Signature]
 Affiliation CARRIER DRIVER Date/Time 10/28/2016 3:35 PM

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



EJ29001.

Chain of Custody Record

Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date: 10/29/16

Sampling Team: S. GREER

Project Number: 2016/17-1 (Wet) Composites

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	10/29/16 1000	X	X	X	X	X	X	X	X	X	X	X	X	1	PRIORITY
ME-SCR		X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-VR2	10/29/16 0742	X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-CAM		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-OJA		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-MEI		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-VEN		X	X	X	X	X	X	X	X	X	X	X	X	1	

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg

Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test

Relinquished Printed Name W.B. CAREY

Signature W.B. Carey

Affiliation VCWPD Date/Time 10/29/16 1126

Received Printed Name Hector Sanchez

Signature [Signature]

Affiliation WECKLABS Date/Time 10-29-16 11:20

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Weck Laboratories (SIDE 2 of 2)

Sampling Date: 10/29/16

Project Number: 2016/17-1 (Wet) Composites

Sampling Team: S. GREER

SAMPLE ID	DATE/TIME COLLECTED					Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA						X	X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test
MO-FIL						X	X	X	X	X	X	X	X	X	X	X	1	
MO-SIM						X	X	X	X	X	X	X	X	X	X	X	1	
MO-MPK						X	X	X	X	X	X	X	X	X	X	X	1	
MO-THO	10/29/16 0852					X	X	X	X	X	X	X	X	X	X	X	1	
MO-OXN						X	X	X	X	X	X	X	X	X	X	X	1	
MO-HUE						X	X	X	X	X	X	X	X	X	X	X	1	

Relinquished

Printed Name W.B. CAREY

Signature W.B. Carey

Affiliation VCWPD

Date/Time 10/29/16 1120

Received

Printed Name Heather Sanchez

Signature [Signature]

Affiliation WECKLABS

Date/Time 10-29-16 11:20

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 11-20 & 11-21 2016
 Sampling Team: W.B. CAREY & B. MEINEAS

Project Number: 2016/17-2 (Wet)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	2	2 DNA Filters
	ME-SCR		X	X	X	X	X	X	2	2 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	2 DNA Filters
	MO-CAM		X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN		X	X		X	X	X	2	2 DNA Filters
	FB-1	11-20-16/2130	X	X		X	X		1	(no SPA)

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 11/21/16 0130

Received Printed Name Lauren Stead
 Signature [Signature]
 Affiliation Pit Lab Date/Time 11/21/16 @ 1:30pm

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: W.B. CAREY & B. MEINEAS

Project Number: 2016/17-2 (Wet)

Sampling Team: 11-20 & 11-21 2016

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Data Filter	Number of Bottles	NOTES
	MO-SPA	11-20-16/2130	X	X		X	X	X	1	2 DNA Filters
	MO-FIL	11-20-16/2215	X	X		X	X	X	1	2 DNA Filters
	MO-SIM	11-20-16/2345	X	X		X	X	X	1	2 DNA Filters
	MO-MPK	11-20-16/2300	X	X		X	X	X	1	2 DNA Filters
	MO-THO	11-21-16/0045	X	X		X	X	X	1	2 DNA Filters
	MO-oxn		X	X		X	X	X	2	2 DNA Filters
	MO-HUE		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 11-21-16 0130

Received Printed Name Lauren Stead
 Signature Lauren
 Affiliation PH Lab Date/Time 11/21/16 P 1:30 am

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 11/20/16 Project Number: 2016/17-2 (Wet)

Sampling Team: A. ANSELM, D. WILKINSON

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	23:25 11-20-16	X	X	X	X	X	X	2	2 DNA Filters
	ME-SCR	23:15 per back route 2325 chem results	X	X	X	X	X	X	2	2 DNA Filters
	ME-VR2	col	X	X	X	X	X	X	2	2 DNA Filters
	MO-CAM	21:45 11-20-16	X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN		X	X		X	X	X	2	2 DNA Filters
	FB-1		X	X		X	X		1	

Relinquished Printed Name ARNE ANSELM
 Signature [Signature]
 Affiliation VCWPD Date/Time 11-21-16 12:05 AM

Received Printed Name Nadia Olan Buren
 Signature [Signature]
 Affiliation PH LAB Date/Time 11/21/16 12:05 AM

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 11/20/16 Project Number: 2016/17-2 (Wet)

Sampling Team: A. ANSELM, D. WILKINSON

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	2 DNA Filters
	MO-FIL		X	X		X	X	X	2	2 DNA Filters
	MO-SIM		X	X		X	X	X	2	2 DNA Filters
	MO-MPK		X	X		X	X	X	2	2 DNA Filters
	MO-THO		X	X		X	X	X	2	2 DNA Filters
	MO-OXN	21:00 11/20/16	X	X		X	X	X	2	2 DNA Filters
	MO-HUE	22:40 11-20-16	X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature see side 1 _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 11/20/2016, 11/21/2016 Project Number: 2016/17-2 (Wet)
 Sampling Team: Steven S. Greer, Lara Meeker

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	2	2 DNA Filters
	ME-VR2	11/20/16 23:40	X	X	X	X	X	X	2	2 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	2 DNA Filters
	MO-CAM		X	X		X	X	X	2	2 DNA Filters
	MO-OJA	11/20/16 21:05	X	X		X	X	X	2	2 DNA Filters
	MO-MEI	11/20/16 22:25	X	X		X	X	X	2	2 DNA Filters
	MO-VEN	11/21/16 00:35	X	X		X	X	X	2	2 DNA Filters
	EB-1		X	X		X	X		1	

Relinquished Printed Name Steven S. Greer
 Signature [Signature]
 Affiliation VCWPD Date/Time 11/21/2016 01:20 AM

Received Printed Name Nadia Van Buren
 Signature [Signature]
 Affiliation PH LAB Date/Time 6/20

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 1

Sampling Date: 11/20/2016

Project Number: 2016/17-2 (Wet)

Sampling Team: Arne A., Dean W., Steven G.

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR					X				2	Note 1, Note 2, Note 3
MO-CAM	11-20-16 21145					X			2	Note 1, Note 2, Note 3
MO-HUE	11-20-16 22140						X		2	Note 1, Note 2, Note 3, Note 4

Relinquished

Printed Name Steven S. Green

Signature Steven S. Green

Affiliation VCDPD

Date/Tim 11/21/2016 0842

Received

Printed Name ELIZABETH MARYN

Signature Elizabeth Maryn

Affiliation ABC LABS

Date/Tim 11-21-16 0842

Other Notes:

Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%

Note 3: Notify District within 24 hours if significant toxicity is observed.

Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Grabs - Weck Laboratories (SIDE 1 of 2)

6K21127

Sampling Date: 11/20/16 + 11/21/16
 Sampling Team: see side 2

Project Number: 2016/17-2 (Wet) Grabs

SAMPLE ID	DATE/TIME COLLECTED											Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits							
ME-CC	11/20/16 23:25	2	1	2	3	1						9	AA, DW
ME-SCR		2	1	2	3	1						9	DRY
ME-VR2	11/20/16 23:40	2	1	2	3	1						9	LM, SG
MO-CAM	11/20/16 21:45	2	1	2	3	1						9	AA, DW
MO-OJA	11/20/16 21:05	2	1	2	3	1						9	LM, SG
MO-MEI	11/20/16 22:25	2	1	2	3	1						9	LM, SG
MO-VEN	11/21/16 00:35	2	1	2	3	1						9	LM, SG
MO-OXN	11/20/16 21:00	2	1	2	3	1						9	AA, DW
FD-1													

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished

Printed Name _____

Signature _____

Affiliation _____

Date/Time _____

Received

Printed Name _____

Signature _____

Affiliation _____

Date/Time _____

Other Notes:

Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)
 EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



6 K21127

Chain of Custody Record

Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date: 11/20/16 + 11/21/16 Project Number: 2016/17-2 (Wet) Grabs
Sampling Team: WBC, BM, AA, DW, LM, SC

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
																NOTES
MO-SPA	11/20/16 21:30	2	1	2	3	1									9	WBC, BM
MO-FIL	11/20/16 22:15	2	1	2	3	1									9	WBC, BM
MO-SIM	11/20/16 23:45	2	1	2	3	1									9	WBC, BM
MO-HUE	11/20/16 23:40	2	1	2	3	1									9	AA, DW
MO-THO	11/21/16 00:45	2	1	2	3	1									9	WBC, BM
MO-MPK	11/20/16 23:00	2	1	2	3	1									9	WBC, BM

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name Kelly Hess
Signature [Signature]
Affiliation VCWPD Date/Time 11/21/16 1345

Received Printed Name AUSTIN SY
Signature [Signature]
Affiliation WECK LABS Date/Time 11-21-16 1345

Other Notes: Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve Jump from 11/21/16 16:35
1.96



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Weck Laboratories (SIDE 1 of 2)

6K21093

Sampling Date:

11/21/16

Project Number: 2016/17-2 (Wet) Composites

Sampling Team:

KH, SC, SG, LM, J.G., WBC, BM

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	11/21/16 1035	X	X	X	X	X	X	X	X	X	X	X	X	1	KH, SC
ME-SCR		X	X	X	X	X	X	X	X	X	X	X	X	1	DRY
ME-VR2	11/21/16 1052	X	X	X	X	X	X	X	X	X	X	X	X	1	SG
MO-CAM	11/21/16 08:45	X	X	X	X	X	X	X	X	X	X	X	X	1	LM, SG
MO-OJA	11/21/16 0928	X	X	X	X	X	X	X	X	X	X	X	X	1	SG Priority list Ltd volume
MO-MEI	11/21/16 0958	X	X	X	X	X	X	X	X	X	X	X	X	1	SG Priority list Ltd volume
MO-VEN	11/21/2016 00:25	X	X	X	X	X	X	X	X	X	X	X	X	1	LM, SG

Relinquished

Printed Name

Kelly, Habs

Signature

Kelly Habs

Affiliation

VCD

Date/Time

11/21/16 / 1345

Received

Printed Name

ALISTIN SY

Signature

ALISTIN SY

Affiliation

WECK LABS

Date/Time

11-21-16 13:45

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

Samina 11/21/16 16:35
1.92



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 11/21/16 Project Number: 2016/17-2 (Wet) Cleaning
 Sampling Team: KH

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	3?				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			13		
Black bags			13		
20 L narrow neck carboy, 2 lids, attachment assembly	10?				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
					13 total glass carboys

Relinquished Printed Name Kelly Hols
 Signature [Signature]
 Affiliation VCWPD Date/Time 11/21/16 / 1345

Received Printed Name ALISTON SY
 Signature [Signature]
 Affiliation WECK LABS Date/Time 11-21-16 13:45

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12/15/16

Project Number: 2016/17-3 (Wet)

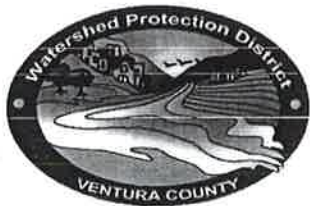
Sampling Team: Lara Medker and Brad G

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	23:20	X	X	X	X	X	X	2	2 DNA Filters
	ME-SCR		X	X	X	X	X	X	2	2 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	2 DNA Filters
	MO-CAM	21:45	X	X		X	X		1	
	MO-OJA		X	X		X	X		1	
	MO-MEI		X	X		X	X		1	
	MO-VEN		X	X		X	X		1	
	FB-1		X	X		X	X		1	
	FD-1	21:45	X	X		X	X		1	

Relinquished Printed Name Lara Medker
 Signature [Signature]
 Affiliation WPD Date/Time 12/16/16 0:15

Received Printed Name Nadia Van Buren
 Signature [Signature]
 Affiliation PH-LAB Date/Time 12/16/16 00:15

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 12/15/16

Project Number: 2016/17-3 (Wet)

Sampling Team: Lisa Melker & BG

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X	X	X			1	
	MO-FIL		X	X	X	X			1	
	MO-SIM		X	X	X	X			1	
	MO-MPK		X	X	X	X			1	
	MO-THO		X	X	X	X			1	
	MO-OXN	20:30	X	X	X	X			1	
	MO-HUE	19:15	X	X	X	X			1	

Relinquished Printed Name _____

Signature _____

Affiliation _____

Date/Time _____

Received Printed Name _____

Signature _____

Affiliation _____

Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12/15/2016 Project Number: 2016/17-3 (Wet)
 Sampling Team: Steven S. Greer, Dean Wilkerson

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-GC		X	X	X	X	X	X	2	2 DNA Filters
	ME-SCR		X	X	X	X	X	X	2	2 DNA Filters
	ME-VR2	12/15/2016 21:50	X	X	X	X	X	X	2	2 DNA Filters
	MO-CAM		X	X		X	X		1	
	MO-OJA	12/15/2016 20:10	X	X		X	X		1	
	MO-MEI	12/15/2016 21:00	X	X		X	X		1	
	MO-VEN	12/15/2016 18:50	X	X		X	X		1	
	FB-T		X	X		X	X		1	
	FD-T		X	X		X	X		1	

Relinquished Printed Name Steven S. Greer
 Signature Steven S. Greer
 Affiliation VCWPD Date/Time 12/15/2016 10:46 pm

Received Printed Name Cameron Chagler
 Signature Cameron Chagler
 Affiliation PH Lab Date/Time 12/15/16 10:47 PM

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12-15-16

Project Number: 2016/17-3 (Wet)

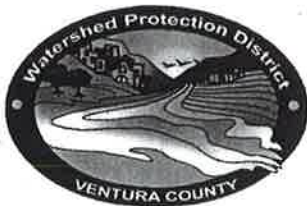
Sampling Team: WB CAREY & D. MARZIO

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME CG		X	X	X	X	X	X	2	2 DNA Filters
	ME SCR		X	X	X	X	X	X	2	2 DNA Filters
	ME VR2		X	X	X	X	X	X	2	2 DNA Filters
	MO CAM		X	X		X	X		1	
	MO OJA		X	X		X	X		1	
	MO MEI		X	X		X	X		1	
	MO VEN		X	X		X	X		1	
	FB-1	12/15/16 1845	X	X		X	X		1	(MO-SPA)
	FD-1		X	X		X	X		1	

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 12-15-16 / 1035

Received Printed Name Nadia Van Buren
 Signature Nadia Van Buren
 Affiliation PH LAB Date/Time 12/15/16 1040

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 12-15-16

Project Number: 2016/17-3 (Wet)

Sampling Team: W.B. CAREY & D. MAZZIO

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA	12/15/16 6:45 PM	X	X		X	X		1	
	MO-FIL	12/15/16 7:40 PM	X	X		X	X		1	
	MO-SIM	12/15/16 9:00 PM	X	X		X	X		1	
	MO-MPK	12/15/16 8:30 PM	X	X		X	X		1	
	MO-THO	12/15/16 9:45 PM	X	X		X	X		1	
	MO-oxn		X	X		X	X		1	
	MO-HUE		X	X		X	X		1	

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 12-15-16 / 1035

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



6617025

Chain of Custody Record

Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Week Laboratories (SIDE 1 of 2)

Sampling Date: 12/15/16 Project Number: 2016/17-3 (Wet) Grabs

Sampling Team: WBC, DM; SG, DW; LM, BM

SAMPLE ID	DATE/TIME COLLECTED													Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									
ME-CC	12/15/16 23:20	2	1	2	3	1								9	LM, BM
ME-SCR	12/15/16 23:20	2	1	2	3	1								9	
ME-VR2	12/15/16 21:50	2	1	2	3	1								9	SG, DW
MO-CAM	12/15/16 21:45	2	1	2	3	1								9	LM, BM
MO-OJA	12/15/16 20:10	2	1	2	3	1								9	SG, DW
MO-MEI	12/15/16 21:00	2	1	2	3	1								9	SG, DW
MO-VEN	12/15/16 18:50	2	1	2	3	1								9	SG, DW
MO-OXN	12/15/16 20:30	2	1	2	3	1								9	LM, BM
FD-1	12/15/16 21:45	2	1	2	3	1								9	LM, BM

Relinquished Printed Name _____

Signature _____

Affiliation _____ Date/Time _____

Received Printed Name _____

Signature _____

Affiliation _____ Date/Time _____

SEE SIDE TWO

Other Notes: Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)

EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve All times PST

Handwritten signature



6617025

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Grabs - Week Laboratories (SIDE 2 of 2)

Sampling Date: 12/15/16

Project Number: 2016/17-3 (Wet) Grabs

Sampling Team: WBC, DM; SG, DN; LM, BM

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits								Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
															NOTES
MO-SPA	12/15/16 1845 6:45 PM	2	1	2	3	1								9	WBC, DM
MO-FIL	12/15/16 1940 7:40 PM	2	1	2	3	1								9	WBC, DM
MO-SIM	12/15/16 21:00 9:00 PM	2	1	2	3	1								9	WBC, DM
MO-HUE	12/15/16 19:15	2	1	2	3	1								9	LM, BM
MO-THO	12/15/16 21:45 9:45 PM	2	1	2	3	1								9	WBC, DM
MO-MPK	12/15/16 2030 8:30 PM	2	1	2	3	1								9	WBC, DM

Relinquished

Printed Name KELLY HAHS

Signature

Affiliation

Date/Time

Received

Printed Name

Signature

Affiliation

Date/Time

Other Notes:

Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)

EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve





Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Weck Laboratories (SIDE 1 of 2)

GL160001

Sampling Date: 12/16/16 Project Number: 2016/17-3 (Wet) Composites
Sampling Team: KN, DM, SG, DW, LM, BM

SAMPLE ID	DATE/TIME COLLECTED																Number of Bottles	NOTES
																		Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg
Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K
608 include alpha- & gamma-chlordane
* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS
Lab to select samples for MS/MSD where extra volume permits (all test)

Relinquished Printed Name _____
Signature _____
Affiliation _____ Date/Time _____
Received Printed Name _____
Signature _____
Affiliation _____ Date/Time _____

SEE SIDE TWO

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately.
2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



(641606)

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 12/16/16 Project Number: 2016/17-3 (Wet) Cleaning
Sampling Team: KH

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid		5		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			13	
Black bags			13	
20 L narrow neck carboy, 2 lids, attachment assembly		7		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name Kelly Hays
Signature [Signature]
Affiliation VCD Date/Time 12/16/16 / 1420

Received Printed Name Leon Pinodas
Signature [Signature]
Affiliation Essen 191 Date/Time 12/16/16 / 1420

Other Notes: * Please clean with detergent, nitric, and methanol and **do not** rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 1-5-17

Project Number: 2016/17-4 (Wet)

Sampling Team: W.B. CAREY & L. MEEKER

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	2	
	ME-SCR	1/5/17 9:30	X	X	X	X	X	X	2	
	ME-VR2		X	X	X	X	X	X	2	
	MO-CAM		X	X		X	X	X	2	
	MO-OJA		X	X		X	X	X	2	
	MO-MEI		X	X		X	X	X	2	
	MO-VEN		X	X		X	X	X	2	
	FD 1		X	X		X	X		1	

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPD Date/Time 1/5/17 10:45

Received Printed Name SALVADOR Y. BARRAGAN
 Signature [Signature]
 Affiliation P.H. - Lab Date/Time 1-5-17 10:50

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 1

Sampling Date: 1-5-17

Project Number: 2016/17-4 (Wet)

Sampling Team: W.B. CAREY & L. MEEKER

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR	1/5/17 9:30				X				2	Note 1, Note 2, Note 3

Relinquished

Printed Name Lara Meeker

Signature [Signature]

Affiliation WPD

Date/Time 1/5/17 11:11

Received

Printed Name Wendy Willis

Signature [Signature]

Affiliation ABC Labs

Date/Time 01/05/17 11:11

Other Notes:

Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%

Note 3: Notify District within 24 hours if significant toxicity is observed.

Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Grabs - Weck Laboratories (SIDE 1 of 1)

7A05114

Sampling Date: 1-5-17

Project Number: 2016/17-4 (Wet) Grabs

Sampling Team: W.B. CAREY & L. MEEKER

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
																NOTES
ME-SCR	1/5/17 4:10	2	1	2	3	1									9	
	0930 WBC															

Relinquished Printed Name ~~Loren Meeker~~ W.B. CAREY
Signature ~~Loren Meeker~~ W.B. Carey
Affiliation WPD Date/Time 1-5-17/1420

Received Printed Name James N
Signature [Signature]
Affiliation Weck Labs Date/Time 1-5-17 220

Other Notes: Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve

James N 1/5/17 1603 120



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Week Laboratories (SIDE 1 of 1)

7A05096

Sampling Date: W 1-5-17

Project Number: 2016/17-4 (Wet) Composites

Sampling Team: W.B. CAREY & L. MEEKER

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC		X	X	X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test
ME-SCR	1-5-17/0900	X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-VR2		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-CAM		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-OJA		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-MEL		X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-VEN		X	X	X	X	X	X	X	X	X	X	X	X	1	

Relinquished

Printed Name W.B. CAREY

Signature

W.B. Carey

Affiliation

VCWPD

Date/Time

1-5-17/1420

Received

Printed Name

[Signature]

Signature

Affiliation

Week Labs

Date/Time

1-5-17 220

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

[Signature] 1/5/17 1003



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 1-5-17 Project Number: 2016/17-⁴ (Wet) Cleaning

Sampling Team: W.B. CAREY & L. MEEKER

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	31				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler	1				
Black bags	1				
20 L narrow neck carboy, 2 lids, attachment assembly	1				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name W.B. CAREY

Signature W.B. Carey

Affiliation VCWPD Date/Time 1-5-17/1420

Received Printed Name Carlos N

Signature Carlos N

Affiliation Weck Labs Date/Time 1-5-17 220

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date: 1/19/17

Sampling Team: LARA MEEKER, SEAN CASEY

Project Number: 2016/17-5 (Wet)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-OC	1/19/17 3:30	X	X	X	X	X	X	2	
	ME-SCR	1/19/17 3:30	X	X	X	X	X	X	2	
	ME-VR2	1/19/17 2:35	X	X	X	X	X	X	2	
	MO-CAM	1/19/17 2:35	X	X		X	X		1	
	MO-OJA	1/19/17 1:55	X	X	X	X	X	X	1	
	MO-MEI	1/19/17 1:40	X	X	X	X	X	X	1	
	MO-VEN	1/19/17 1:40	X	X		X	X		1	
	MO-HVE	1/19/17 1:05	X	X	X	X	X	X	1	

Relinquished

Printed Name

SEAN CASEY

Signature

Sean Casey

Affiliation

VCHCA

Date/Time

1/19/17 09:15

Received

Printed Name

Nadia West

Signature

Nadia West

Affiliation

RH LAB

Date/Time

01-19-17 04:15

Other Notes:

Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 1/19/2017 Project Number: 2016/17-5 (Wet)
 Sampling Team: Steven S. Greer, Dean W.

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	2	
	ME-SCR		X	X	X	X	X	X	2	
	ME-VR2	1/19/2017 0210	X	X	X	X	X	X	2	
	MO-CAM		X	X		X	X		1	
	MO-OJA	1/19/2017 0115	X	X		X	X		1	
	MO-MEI	1/19/2017 0200	X	X		X	X		1	
	MO-VEN		X	X		X	X		1	
	MO-HUE		X	X		X	X		1	

Relinquished Printed Name Steven S. Greer
 Signature Steven S. Greer
 Affiliation VCHCA: WRJL Date/Time 1/19/2017 @ 0525

Received Printed Name Nadia West
 Signature Nadia West
 Affiliation PH LAB Date/Time 01/19/17 @ 0525

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Grabs - Weck Laboratories (SIDE 1 of 1)

7A0063

Sampling Date: 01/19/2017

Project Number: 2016/17-5 (Wet) Grabs

Sampling Team: LM, SC ; SG, DW

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									Number of Bottles	NOTES
ME-SCR	1/19/17 03:30	2	1	2	3	1									9	LM, SC
ME-VR2	03:10	2	1	2	3	1									9	SG, DW
MO-OJA	01:15	2	1	2	3	1									9	SG, DW
MO-MEI	02:00	2	1	2	3	1									9	SG, DW
MO-CAM	02:35	2	1	2	3	1									9	LM, SC
MO-VEN	01:55	2	1	2	3	1									9	LM, SC
MO-HUE	✓ 01:05	2	1	2	3	1									9	LM, SC

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished

Printed Name

KELLY HAHS

Signature

Kelly Hahs

Affiliation

VCWSPD

Date/Time

1/19/17 / 1430

Received

Printed Name

STEVE YUJANI

Signature

Steve Yujani

Affiliation

ESSENTIAL

Date/Time

1/19-17 2:20pm

Other Notes:

Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)

EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve

Yujani 1/19/17 1035 1.0²



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

7A19070

Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Weck Laboratories (SIDE 1 of 1)

Sampling Date: 01/19/2017

Project Number: 2016/17-5 (Wet) Composites

Sampling Team: SG, DW; KH, WBC; KH, SC

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-SCR	1/19/17 13:15	X		X	X	X	X	X	X	X	X	X	X	1	KH, SC
ME-VR2	* 09:45	X		X	X	X	X	X	X	X	X	X	X	1	* 09:45 KH, WBC
MO-OJA	0400	X		X	X	X	X	X	X	X	X	X	X	1	SG, DW
MO-MEI	0420	X		X	X	X	X	X	X	X	X	X	X	1	SG, DW
MO-CAM	10:25	X		X	X	X	X	X	X	X	X	X	X	1	KH, WBC
MO-VEN	10:50	X		X	X	X	X	X	X	X	X	X	X	1	KH, WBC
MO-HUE	✓ 12:25	X		X	X	X	X	X	X	X	X	X	X	1	KH, SC

Relinquished

Printed Name KELLY HAHS

Signature Kelly Haas

Affiliation VCWPD

Date/Time 1/19/17 1430

Received

Printed Name Steve Yumani

Signature Steve Yumani

Affiliation Essential

Date/Time 1/19/17 2:20

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

1/19/17 1635 1.02
4.35



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 01/19/2017 Project Number: 2016/17-5 (Wet) Cleaning
Sampling Team: _____

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid	4			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			7	
Black bags			7	
20 L narrow neck carboy, 2 lids, attachment assembly	3			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name KELLY HAHS
Signature [Signature]
Affiliation VCWPD Date/Time 1/19/17 / 1430

Received Printed Name [Signature]
Signature [Signature]
Affiliation ESSENTIAL Date/Time 1/19/17 2:00

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather
Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date: 5/4/17 Project Number: 2016/17-6 (Dry)
 Sampling Team: K. HAHS, S. GREER

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filters	Number of Bottles	NOTES
	ME-SCR	5/4/17 0940	X	X	X	X	X	X	2	2 DNA Filters
	MO-SPA	DRY	X	X	X	X	X	X		2 DNA Filters
	MO-FIL	5/4/17 0820	X	X	X	X	X	X	2	2 DNA Filters
	MO-OXN	↓ 11:50	X	X	X	X	X	X	2	2 DNA Filters
	MO-VEN	↓ 1050	X	X	X	X	X	X	2	2 DNA Filters

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 5/4/17
 Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH LAB Date/Time 1341 050417

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather
Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date: 5/18/17

Project Number: 2016/17-6 (Dry)

Sampling Team: K. HAHS, W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filters	Number of Bottles	NOTES
	ME-CC	5/18/17 1040	X	X	X	X	X	X		2 DNA Filters
	MO-MPK	0810	X	X	X	X	X	X		2 DNA Filters
	MO-SIM	0915	X	X	X	X	X	X		2 DNA Filters
	MO-THO	1010	X	X	X	X	X	X		2 DNA Filters
	MO-CAM	✓ 11:25	X	X	X	X	X	X		2 DNA Filters

Relinquished Printed Name KELLY HAHS
Signature Kelly HaHS
Affiliation VCWPD Date/Time 5/18/17
Received Printed Name Sol Y. Bannagan
Signature Sol Y. Bannagan
Affiliation P.H. - Lab Date/Time 5/18/17 12:08

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather
Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date: 5/23/17 Project Number: 2016/17-6 (Dry)
 Sampling Team: K. HAHS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filters	Number of Bottles	NOTES
	ME-VR2	5/23/17 1110	X	X	X	X	X	X		2 DNA Filters
	MO-OJA	↓ 0920	X	X	X	X	X	X		2 DNA Filters
	MO-MFI	————	X	X	X	X	X	X		2 DNA Filters DRY
	MO-HUE	5/23/17 1220	X	X	X	X	X	X		2 DNA Filters

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 5/23/17

Received Printed Name Salvador A. BARRAGAN
 Signature [Signature]
 Affiliation P.H. Lab Date/Time 5/23/17 13:04

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Grabs - Weck Laboratories (SIDE 1 of 1)

7E23083

Sampling Date: 5/23/17 Project Number: 2016/17-6 (Dry) Grabs
Sampling Team: K. HAHS

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits								Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
															NOTES
ME-VR2	5/23/17 1110	2	1	2	3	1								9	
MO-OJA	↓ 0920	2	1	2	3	1								9	
MO-MEI		2	1	2	3	1								9	DRY
MO-HUE	5/23/17 1220	2	1	2	3	1								9	

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name KELLY HAHS
Signature [Signature]
Affiliation VCWPD Date/Time 5/23/17 / 1440

Received Printed Name [Signature]
Signature [Signature]
Affiliation Reliable Date/Time 5-23-17

Other Notes: Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve

[Signature] 5/23/17 1642 170



7E05012
7E080 36
SAHJ

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Grabs - Week Laboratories (SIDE 1 of 1)

Sampling Date: 5/4/17 Project Number: 2016/17-6 (Dry) Grabs
Sampling Team: K. HANS, S. GREER

SAMPLE ID	DATE/TIME COLLECTED						Travel Blanks (EPA 624)-only analyze if hits								Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)											
ME-SCR	5/4/17 0940	2	1	2	3	1									9	
MO-SPA	DRY	2	1	2	3	1									9	DRY
MO-FIL	5/4/17 0820	2	1	2	3	1									9	
MO-OXN	1150	2	1	2	3	1									9	
MO-VEN	↓ 1050	2	1	2	3	1									9	

Relinquished Printed Name KELLY HANS
Signature [Signature]
Affiliation VCWPD Date/Time 5/4/17 / 1455

Received Printed Name _____
Signature [Signature]
Affiliation [Signature] Date/Time 5-4-17

Other Notes: Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve

[Signature] 5/4/17 1745
1.72



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Grabs - Weck Laboratories (SIDE 1 of 1)

7E18056

Sampling Date: 5/18/17

Project Number: 2016/17-6 (Dry) Grabs

Sampling Team: K. HAHS, W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED											Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits							
ME-CC	5/18/17 1040	2	1	2	3	1						9	
MO-MPK	0810	2	1	2	3	1						9	
MO-SIM	0915	2	1	2	3	1						9	
MO-THO	1010	2	1	2	3	1						9	
MO-CAM	✓ 1125	2	1	2	3	1						9	

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished

Printed Name KELLY HAHS

Signature [Signature]

Affiliation VCPD

Date/Time 5/18/17 / 1520

Received

Printed Name [Signature]

Signature [Signature]

Affiliation Relia

Date/Time 5-18-17

Other Notes:

Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE)

EPA 624 has replaced ERA 524.2 for MTBE and 2-Cleve



7E23082

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Composites - Week Laboratories (SIDE 1 of 1)

Sampling Date: 5/23/17

Project Number: 2016/17-6 (Dry) Composites

Sampling Team: K. HAHS

SAMPLE ID	DATE/TIME COLLECTED				Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-I.L	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-VR2	5/23/17 11:10				X	X	X	X	X	X	X	X	X	X	X	1	
MO-OJA	↓ 09:20				X	X	X	X	X	X	X	X	X	X	X	1	
MO-MEI					X	X	X	X	X	X	X	X	X	X	X	1	DRY
MO-HUE	5/23/17 12:20				X	X	X	X	X	X	X	X	X	X	X	1	

Relinquished

Printed Name

KELLY HAHS

Signature

Kelly HaHS

Affiliation

VCWPD

Date/Time

5/23/17 / 1440

Received

Printed Name

[Signature]

Signature

[Signature]

Affiliation

VCWPD

Date/Time

5-23-17

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately.

2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



7E23082

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 5/23/17 Project Number: 2016/17-6 (Dry) Cleaning
Sampling Team: K. HAHS

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid 3	2			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			3	
Black bags			3	
20 L narrow neck carboy, 2 lids, attachment assembly	2			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name KELLY HAHS
Signature [Signature]
Affiliation VCPD Date/Time 5/23/17 / 1440

Received Printed Name [Signature]
Signature [Signature]
Affiliation Reliable Date/Time 5-23-17

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.

Jameson 5/23/17 KHE



7E04057

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 5/4/17 Project Number: 2016/17-6 (Dry) Cleaning
Sampling Team: K. HAHS, S. GREER

EQUIPMENT	Cleaning Method			No action required	NOTES
	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*			
18.5 L wide neck carboy and lid					Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			4		
Black bags			4		
20 L narrow neck carboy, 2 lids, attachment assembly	4				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name KELLY HAHS
Signature Kelly HaHS
Affiliation VCWPD Date/Time 5/4/17 / 1455

Received Printed Name _____
Signature [Signature]
Affiliation [Signature] Date/Time 5-4-17

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.

Janet/men 5/4/17 1745 2016

7E18055



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Composites - Weck Laboratories (SIDE 1 of 1)

Sampling Date: 5/18/17 Project Number: 2016/17-6 (Dry) Composites
 Sampling Team: K. HAHS, W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	NO3-N, Total Chlorine Residual	Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	5/18/17 036	X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-MPK	0810		X	X	X	X	X	X	X	X	X	X	X	1	
MO-SIM	0915		X	X	X	X	X	X	X	X	X	X	X	1	
MO-THO	1010		X	X	X	X	X	X	X	X	X	X	X	1	
MO-CAM	✓ 1120		X	X	X	X	X	X	X	X	X	X	X	1	

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg

Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test

Relinquished Printed Name K KELLY HAHS
 Signature [Signature]
 Affiliation VWPD Date/Time 5/18/17 1520

Received Printed Name [Signature]
 Signature DAVID L...
 Affiliation _____ Date/Time 5-18-17

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately.
 2) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Dry Weather (Contract AE17-001)
Equipment - Weck Laboratories

Sampling Date: 5/18/17 Project Number: 2016/17-6 (Dry) Cleaning
 Sampling Team: K. HANS

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	2				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			5		
Black bags			5		
20 L narrow neck carboy, 2 lids, attachment assembly	3				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name KELLY HANS
 Signature [Signature]
 Affiliation Ventura County Watershed Protection District Date/Time 5/18/17 / 1520

Received Printed Name [Signature]
 Signature [Signature]
 Affiliation Reliable Date/Time 5-18-17

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.

[Signature] 5/18/17 1822



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Bacteriological - VCHCA Lab

Start @
1400
incubate @
1420

Sampling Date: 8/3/17 Sample Event: DRY 2017
 Sampling Team: W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)									Number of Bottles	NOTES
1	Camarillo-4	8/3/17 0915	X	X									1	MO-CAM DRY-CAM4
	Fillmore-1													MO-FIL
2	Moorpark-1	8/3/17 1020	X	X									1	MO-MPK
	Ojai-1													MO-OJA
3	Oxnard-2	8/3/17 0800	X	X									1	MO-oxn DRY- oxn 2
6A	Port Hueneeme-3	0803/17 1420	X	X										DRY-HUE3
	Santa Paula-2													DRY-SPA2
4	Simi Valley-1	8/3/17 1055	X	X									1	MO-SIM
5	Thousand Oaks-1	8/3/17 1140	X	X									1	MO-THO
6	Unincorporated-2	8/3/17 1240	X	X									1	DRY-UNI2
	Ventura-1													MO-VEN

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 8/3/17/1351

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH LAB Date/Time 0803/17 1355

Other Notes: 1:10, 1:100, and 1:1000 dilutions
Port Hueneeme-3 Rnd @ 1457



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Bacteriological - VCHCA Lab

Sampling Date: 8/2/17 Sample Event: DRY 2017
 Sampling Team: W.B. CAREY, K. HAHS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)								Number of Bottles	NOTES
	Gamarillo-1												MO-CAM
	Fillmore-1	8/2/17 0945	x	x									MO-FIL
	Moorpark-1												MO-MPK
	Ojai-6	8/2/17 1120											MO-OJA
	Oxnard-1												MO-oxn
	Port Hueneume-3												DRY-HUE3
	Santa Paula-4	8/2/17 0850											DRY-SPA4
	Simi Valley-1												MO-SIM
	Thousand Oaks-1												MO-THO
	Unincorporated-4												DRY-UNT4
	Ventura-5	8/2/17 13:15											MO-VEN

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 8/2/17 1410

Received Printed Name SAH Y. BARRAGAN
 Signature [Signature]
 Affiliation P.H. Lab Date/Time 8/2/17 14:14

Other Notes: 1:10, 1:100, and 1:1000 dilutions



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Grabs - Weck Laboratories
Invoice Contract No. AE17-001

7H04092

Sampling Date: 8/2/17 + 8/3/17 Sample Event: DRY 2017
Sampling Team: W.B. CAREY, K. HAHS

SAMPLE ID	DATE/TIME COLLECTED	Total Hardness	TOC	Dissolved Metals by 200.8 (Lead, Zinc, Copper)	Number of Bottles	NOTES
Camarillo-4	8/3/17 0915	X	X	X		
Fillmore-1	8/2/17 0945	X	X	X		
Moorpark-1	8/3/17 1020	X	X	X		
Ojai-6	8/2/17 1120	X	X	X		
Oxnard-2	8/3/17 0800	X	X	X		
Port Hueneme-3	8/3/17 1420	X	X	X		
Santa Paula-4	8/2/17 0850	X	X	X		
Simi Valley-1	8/3/17 1055	X	X	X		
Thousand Oaks-1	1140	X	X	X		
Unincorporated-2	1240	X	X	X		
Ventura-5	8/2/17 13:15	X	X	X		

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)

Relinquished Printed Name Lara Meeker
Signature [Signature]
Affiliation VCWPP Date/Time 8/4/17 11:05

Received Printed Name [Signature]
Signature [Signature]
Affiliation Weck Labs Date/Time 8/4/17 11:05

Other Notes: Dissolved metals field filtered but need preserved.

Appendix F. Laboratory QA/QC Analysis Results

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Anion	Chloride	n/a	=	134	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike	11/8/2016	Anion	Chloride	n/a	=	99.1	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Anion	Chloride	n/a	=	134	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Anion	Chloride	n/a	=	99.4	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Anion	Chloride	n/a	=	108	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Anion	Chloride	n/a	=	111	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Anion	Chloride	n/a	=	111	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Anion	Chloride	n/a	=	107	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	11/9/2016	Anion	Chloride	n/a	=	201	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike	11/9/2016	Anion	Chloride	n/a	=	64.9	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Anion	Chloride	n/a	=	201	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Anion	Chloride	n/a	=	62.6	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Anion	Chloride	n/a	=	110	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Anion	Chloride	n/a	=	115	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Anion	Chloride	n/a	=	0.01	%	EPA 300.0	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Anion	Chloride	n/a	=	4	%	EPA 300.0	-88	-88	0	20	
2016/17-1	Lab	LCS	11/8/2016	Anion	Chloride	n/a	=	2.63	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	90	110	
2016/17-1	Lab	method blank	11/8/2016	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	Lab	LCS	11/9/2016	Anion	Chloride	n/a	=	2.47	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2016/17-1	Lab	method blank	11/9/2016	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	000NONPJ	matrix spike	11/8/2016	Anion	Fluoride	n/a	=	10.8	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike	11/8/2016	Anion	Fluoride	n/a	=	10.6	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Anion	Fluoride	n/a	=	10.7	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Anion	Fluoride	n/a	=	11.2	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Anion	Fluoride	n/a	=	104	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Anion	Fluoride	n/a	=	4	%	EPA 300.0	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Anion	Fluoride	n/a	=	0.9	%	EPA 300.0	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	11/9/2016	Anion	Fluoride	n/a	=	11.8	mg/L	EPA 300.0	0.2	1			GB
2016/17-1	000NONPJ	matrix spike	11/9/2016	Anion	Fluoride	n/a	=	17.6	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Anion	Fluoride	n/a	=	17.6	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Anion	Fluoride	n/a	=	10.7	mg/L	EPA 300.0	0.2	1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Anion	Fluoride	n/a	=	86	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Anion	Fluoride	n/a	=	86	%	EPA 300.0	-88	-88	86	107	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Anion	Fluoride	n/a	=	118	%	EPA 300.0	-88	-88	86	107	GB
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Anion	Fluoride	n/a	=	0.06	%	EPA 300.0	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Anion	Fluoride	n/a	=	10	%	EPA 300.0	-88	-88	0	20	
2016/17-1	Lab	LCS	11/8/2016	Anion	Fluoride	n/a	=	0.508	mg/L	EPA 300.0	0.02	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/8/2016	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	90	110	
2016/17-1	Lab	method blank	11/8/2016	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-1	Lab	LCS	11/9/2016	Anion	Fluoride	n/a	=	0.481	mg/L	EPA 300.0	0.02	0.1			
2016/17-1	Lab	LCS, rec	11/9/2016	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	90	110	
2016/17-1	Lab	method blank	11/9/2016	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-1	000NONPJ	matrix spike	11/5/2016	Anion	Perchlorate	n/a	=	8.65	µg/L	EPA 314.0	0.95	2			
2016/17-1	000NONPJ	matrix spike, rec	11/5/2016	Anion	Perchlorate	n/a	=	86	%	EPA 314.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike dup	11/5/2016	Anion	Perchlorate	n/a	=	9.36	µg/L	EPA 314.0	0.95	2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/5/2016	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, RPD	11/5/2016	Anion	Perchlorate	n/a	=	8	%	EPA 314.0	-88	-88	0	15	
2016/17-1	Lab	method blank	11/5/2016	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-1	Lab	LCS	11/5/2016	Anion	Perchlorate	n/a	=	10.1	µg/L	EPA 314.0	0.95	2			
2016/17-1	Lab	LCS, rec	11/5/2016	Anion	Perchlorate	n/a	=	101	%	EPA 314.0	-88	-88	85	115	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Anion	Sulfate	Total	=	91.2	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike	11/8/2016	Anion	Sulfate	Total	=	142	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Anion	Sulfate	Total	=	141	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Anion	Sulfate	Total	=	91.2	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Anion	Sulfate	Total	=	110	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Anion	Sulfate	Total	=	0.02	%	EPA 300.0	-88	-88	0	25	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Anion	Sulfate	Total	=	0.6	%	EPA 300.0	-88	-88	0	25	
2016/17-1	000NONPJ	matrix spike	11/9/2016	Anion	Sulfate	Total	=	63.2	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike	11/9/2016	Anion	Sulfate	Total	=	225	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Anion	Sulfate	Total	=	225	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Anion	Sulfate	Total	=	57.6	mg/L	EPA 300.0	1	5			
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Anion	Sulfate	Total	=	98	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Anion	Sulfate	Total	=	98	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Anion	Sulfate	Total	=	117	%	EPA 300.0	-88	-88	80	120	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Anion	Sulfate	Total	=	0.004	%	EPA 300.0	-88	-88	0	25	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Anion	Sulfate	Total	=	9	%	EPA 300.0	-88	-88	0	25	
2016/17-1	Lab	LCS	11/8/2016	Anion	Sulfate	Total	=	2.56	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	90	110	
2016/17-1	Lab	method blank	11/8/2016	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	Lab	LCS	11/9/2016	Anion	Sulfate	Total	=	2.46	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	90	110	
2016/17-1	Lab	method blank	11/9/2016	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-1	MO-VEN	field duplicate	10/29/2016	Bacteriological	E. Coli	n/a	=	57940	MPN/100 mL	MMO-MUG	100	100	-88	-88	
2016/17-1	MO-VEN	field duplicate	10/31/2016	Bacteriological	Fecal Coliform	n/a	=	240000	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2016/17-1	MO-VEN	field duplicate	10/29/2016	Bacteriological	Total Coliform	n/a	=	1046200	MPN/100 mL	MMO-MUG	1000	1000	-88	-88	
2016/17-1	Lab	method blank	11/2/2016	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	Lab	LCS	11/2/2016	Cation	Calcium	Total	=	47.3	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	Lab	LCS, rec	11/2/2016	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	Lab	LCS	11/8/2016	Cation	Calcium	Total	=	46.5	mg/L	EPA 200.7	0.016	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/8/2016	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/8/2016	Cation	Calcium	Total	=	185	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	ME-VR2	matrix spike, rec	11/8/2016	Cation	Calcium	Total	=	78	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike dup	11/8/2016	Cation	Calcium	Total	=	186	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	ME-VR2	matrix spike dup, rec	11/8/2016	Cation	Calcium	Total	=	81	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike, RPD	11/8/2016	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-SPA	matrix spike	11/2/2016	Cation	Calcium	Total	=	73.1	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	MO-SPA	matrix spike, rec	11/2/2016	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike dup	11/2/2016	Cation	Calcium	Total	=	73.5	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	MO-SPA	matrix spike dup, rec	11/2/2016	Cation	Calcium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike, RPD	11/2/2016	Cation	Calcium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-VEN	matrix spike	11/2/2016	Cation	Calcium	Total	=	107	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	MO-VEN	matrix spike, rec	11/2/2016	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike dup	11/2/2016	Cation	Calcium	Total	=	107	mg/L	EPA 200.7	0.016	0.1			
2016/17-1	MO-VEN	matrix spike dup, rec	11/2/2016	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike, RPD	11/2/2016	Cation	Calcium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2016/17-1	Lab	method blank	11/2/2016	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	Lab	LCS	11/2/2016	Cation	Magnesium	Total	=	47.4	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	Lab	LCS, rec	11/2/2016	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	Lab	LCS	11/8/2016	Cation	Magnesium	Total	=	46.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	Lab	LCS, rec	11/8/2016	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/8/2016	Cation	Magnesium	Total	=	90.7	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	ME-VR2	matrix spike, rec	11/8/2016	Cation	Magnesium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike dup	11/8/2016	Cation	Magnesium	Total	=	91.5	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	ME-VR2	matrix spike dup, rec	11/8/2016	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike, RPD	11/8/2016	Cation	Magnesium	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-SPA	matrix spike	11/2/2016	Cation	Magnesium	Total	=	55.5	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	MO-SPA	matrix spike, rec	11/2/2016	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike dup	11/2/2016	Cation	Magnesium	Total	=	55.5	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	MO-SPA	matrix spike dup, rec	11/2/2016	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike, RPD	11/2/2016	Cation	Magnesium	Total	=	0.09	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-VEN	matrix spike	11/2/2016	Cation	Magnesium	Total	=	64.3	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	MO-VEN	matrix spike, rec	11/2/2016	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike dup	11/2/2016	Cation	Magnesium	Total	=	64.2	mg/L	EPA 200.7	0.012	0.1			
2016/17-1	MO-VEN	matrix spike dup, rec	11/2/2016	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike, RPD	11/2/2016	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-1	Lab	method blank	11/2/2016	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	Lab	LCS	11/2/2016	Cation	Potassium	Total	=	49	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	Lab	LCS, rec	11/2/2016	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	Lab	LCS	11/8/2016	Cation	Potassium	Total	=	48.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	Lab	LCS, rec	11/8/2016	Cation	Potassium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/8/2016	Cation	Potassium	Total	=	54.4	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	ME-VR2	matrix spike, rec	11/8/2016	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike dup	11/8/2016	Cation	Potassium	Total	=	55	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	ME-VR2	matrix spike dup, rec	11/8/2016	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	ME-VR2	matrix spike, RPD	11/8/2016	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-SPA	matrix spike	11/2/2016	Cation	Potassium	Total	=	58.9	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	MO-SPA	matrix spike, rec	11/2/2016	Cation	Potassium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike dup	11/2/2016	Cation	Potassium	Total	=	59.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	MO-SPA	matrix spike dup, rec	11/2/2016	Cation	Potassium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike, RPD	11/2/2016	Cation	Potassium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-VEN	matrix spike	11/2/2016	Cation	Potassium	Total	=	61.7	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	MO-VEN	matrix spike, rec	11/2/2016	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike dup	11/2/2016	Cation	Potassium	Total	=	61.6	mg/L	EPA 200.7	0.081	0.1			
2016/17-1	MO-VEN	matrix spike dup, rec	11/2/2016	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike, RPD	11/2/2016	Cation	Potassium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2016/17-1	Lab	method blank	11/2/2016	Cation	Sodium	Total	DNQ	0.0169	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-1	Lab	LCS	11/2/2016	Cation	Sodium	Total	=	46.8	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	Lab	LCS, rec	11/2/2016	Cation	Sodium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Cation	Sodium	Total	DNQ	0.0782	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-1	Lab	LCS	11/8/2016	Cation	Sodium	Total	=	46.9	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/8/2016	Cation	Sodium	Total	=	129	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	ME-VR2	matrix spike, rec	11/8/2016	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike dup	11/8/2016	Cation	Sodium	Total	=	130	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	ME-VR2	matrix spike dup, rec	11/8/2016	Cation	Sodium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike, RPD	11/8/2016	Cation	Sodium	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-SPA	matrix spike	11/2/2016	Cation	Sodium	Total	=	57.5	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	MO-SPA	matrix spike, rec	11/2/2016	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike dup	11/2/2016	Cation	Sodium	Total	=	57.5	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	MO-SPA	matrix spike dup, rec	11/2/2016	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike, RPD	11/2/2016	Cation	Sodium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-VEN	matrix spike	11/2/2016	Cation	Sodium	Total	=	79.7	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	MO-VEN	matrix spike, rec	11/2/2016	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike dup	11/2/2016	Cation	Sodium	Total	=	79.4	mg/L	EPA 200.7	0.015	0.5			
2016/17-1	MO-VEN	matrix spike dup, rec	11/2/2016	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-1	MO-VEN	matrix spike, RPD	11/2/2016	Cation	Sodium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	636	mg/L	SM 2320 B	0.56	10		15	
2016/17-1	Lab	LCS	11/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	243	mg/L	SM 2320 B	0.56	10			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	97	%	SM 2320 B	-88	-88	94	108	
2016/17-1	Lab	method blank	11/3/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.75	mg/L	SM 2320 B	0.56	10			IP
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	BOD	n/a	=	8.02	mg/L	SM 5210 B	2	2		20	
2016/17-1	Lab	LCS	11/3/2016	Conventional	BOD	n/a	=	190	mg/L	SM 5210 B	2	2			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	BOD	n/a	=	96	%	SM 5210 B	-88	-88	85	115	
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	COD	n/a	=	2980	mg/L	EPA 410.4	2.9	20		15	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Conventional	COD	n/a	=	221	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike	11/3/2016	Conventional	COD	n/a	=	237	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Conventional	COD	n/a	=	228	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Conventional	COD	n/a	=	218	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Conventional	COD	n/a	=	108	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Conventional	COD	n/a	=	8	%	EPA 410.4	-88	-88	0	15	
2016/17-1	000NONPJ	lab duplicate	11/9/2016	Conventional	COD	n/a	=	1290	mg/L	EPA 410.4	1.5	10		15	
2016/17-1	000NONPJ	matrix spike	11/9/2016	Conventional	COD	n/a	=	210	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike	11/9/2016	Conventional	COD	n/a	=	206	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Conventional	COD	n/a	=	223	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Conventional	COD	n/a	=	202	mg/L	EPA 410.4	1.5	10			
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Conventional	COD	n/a	=	107	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Conventional	COD	n/a	=	6	%	EPA 410.4	-88	-88	0	15	
2016/17-1	Lab	LCS	11/3/2016	Conventional	COD	n/a	=	107	mg/L	EPA 410.4	0.73	5			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	COD	n/a	=	107	%	EPA 410.4	-88	-88	90	110	
2016/17-1	Lab	method blank	11/3/2016	Conventional	COD	n/a	DNQ	2.02	mg/L	EPA 410.4	0.73	5			IP
2016/17-1	Lab	LCS	11/9/2016	Conventional	COD	n/a	=	96.9	mg/L	EPA 410.4	0.73	5			
2016/17-1	Lab	LCS, rec	11/9/2016	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2016/17-1	Lab	method blank	11/9/2016	Conventional	COD	n/a	DNQ	2.59	mg/L	EPA 410.4	0.73	5			IP
2016/17-1	Lab	LCS	11/10/2016	Conventional	Cyanide	Total	=	0.052	mg/L	ASTM D7511	0.0005	0.002			
2016/17-1	Lab	LCS, rec	11/10/2016	Conventional	Cyanide	Total	=	104	%	ASTM D7511	-88	-88	84	116	
2016/17-1	Lab	method blank	11/10/2016	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-1	ME-CC	matrix spike	11/10/2016	Conventional	Cyanide	Total	=	0.0531	mg/L	ASTM D7511	0.0005	0.002			
2016/17-1	ME-CC	matrix spike dup	11/10/2016	Conventional	Cyanide	Total	=	0.0532	mg/L	ASTM D7511	0.0005	0.002			
2016/17-1	ME-CC	matrix spike dup, rec	11/10/2016	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2016/17-1	ME-CC	matrix spike, rec	11/10/2016	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2016/17-1	ME-CC	matrix spike, RPD	11/10/2016	Conventional	Cyanide	Total	=	0.2	%	ASTM D7511	-88	-88	0	47	
2016/17-1	ME-VR2	matrix spike	11/10/2016	Conventional	Cyanide	Total	=	0.0533	mg/L	ASTM D7511	0.0005	0.002			
2016/17-1	ME-VR2	matrix spike dup	11/10/2016	Conventional	Cyanide	Total	=	0.0539	mg/L	ASTM D7511	0.0005	0.002			
2016/17-1	ME-VR2	matrix spike dup, rec	11/10/2016	Conventional	Cyanide	Total	=	107	%	ASTM D7511	-88	-88	64	136	
2016/17-1	ME-VR2	matrix spike, rec	11/10/2016	Conventional	Cyanide	Total	=	105	%	ASTM D7511	-88	-88	64	136	
2016/17-1	ME-VR2	matrix spike, RPD	11/10/2016	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2016/17-1	MO-VEN	field duplicate	11/10/2016	Conventional	Cyanide	Total	=	0.004	mg/L	ASTM D7511	0.0005	0.002			FDP
2016/17-1	Lab	LCS	11/7/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.34	mg/L	SM 5310 C	0.5	0.5			
2016/17-1	Lab	LCS dup	11/7/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	4.63	mg/L	SM 5310 C	0.5	0.5			
2016/17-1	Lab	LCS dup, rec	11/7/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	93	%	SM 5310 C	-88	-88	85	115	
2016/17-1	Lab	LCS, rec	11/7/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	107	%	SM 5310 C	-88	-88	85	115	
2016/17-1	Lab	LCS, RPD	11/7/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	14	%	SM 5310 C	-88	-88	0	20	
2016/17-1	Lab	method blank	11/7/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-1	Lab	LCS	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	9.76	mg/L	SM 5310 C	0.013	0.3			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	98	%	SM 5310 C	-88	-88	85	115	
2016/17-1	Lab	method blank	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0511	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-1	MO-MEI	matrix spike	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	267	mg/L	SM 5310 C	0.52	12			
2016/17-1	MO-MEI	matrix spike dup	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	277	mg/L	SM 5310 C	0.52	12			
2016/17-1	MO-MEI	matrix spike dup, rec	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	101	%	SM 5310 C	-88	-88	75	113	
2016/17-1	MO-MEI	matrix spike, rec	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	96	%	SM 5310 C	-88	-88	75	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-MEI	matrix spike, RPD	11/3/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	4	%	SM 5310 C	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	10/29/2016	Conventional	MBAS	n/a	=	0.246	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	000NONPJ	matrix spike dup	10/29/2016	Conventional	MBAS	n/a	=	0.245	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	000NONPJ	matrix spike dup, rec	10/29/2016	Conventional	MBAS	n/a	=	106	%	SM 5540 C	-88	-88	74	123	
2016/17-1	000NONPJ	matrix spike, rec	10/29/2016	Conventional	MBAS	n/a	=	107	%	SM 5540 C	-88	-88	74	123	
2016/17-1	000NONPJ	matrix spike, RPD	10/29/2016	Conventional	MBAS	n/a	=	0.3	%	SM 5540 C	-88	-88	0	20	
2016/17-1	Lab	LCS	10/29/2016	Conventional	MBAS	n/a	=	0.196	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	Lab	LCS, rec	10/29/2016	Conventional	MBAS	n/a	=	98	%	SM 5540 C	-88	-88	82	115	
2016/17-1	Lab	method blank	10/29/2016	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	Lab	LCS	10/29/2016	Conventional	MBAS	n/a	=	0.193	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	Lab	LCS, rec	10/29/2016	Conventional	MBAS	n/a	=	97	%	SM 5540 C	-88	-88	82	115	
2016/17-1	Lab	method blank	10/29/2016	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	ME-CC	matrix spike	10/29/2016	Conventional	MBAS	n/a	=	0.272	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	ME-CC	matrix spike dup	10/29/2016	Conventional	MBAS	n/a	=	0.272	mg/L	SM 5540 C	0.019	0.05			
2016/17-1	ME-CC	matrix spike dup, rec	10/29/2016	Conventional	MBAS	n/a	=	95	%	SM 5540 C	-88	-88	74	123	
2016/17-1	ME-CC	matrix spike, rec	10/29/2016	Conventional	MBAS	n/a	=	95	%	SM 5540 C	-88	-88	74	123	
2016/17-1	ME-CC	matrix spike, RPD	10/29/2016	Conventional	MBAS	n/a	=	0.01	%	SM 5540 C	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Conventional	Phenolics	n/a	=	0.237	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Conventional	Phenolics	n/a	=	92	%	EPA 420.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Conventional	Phenolics	n/a	=	0.237	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Conventional	Phenolics	n/a	=	92	%	EPA 420.4	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Conventional	Phenolics	n/a	=	0.2	%	EPA 420.4	-88	-88	0	20	
2016/17-1	Lab	method blank	11/3/2016	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	Lab	LCS	11/3/2016	Conventional	Phenolics	n/a	=	0.101	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2016/17-1	Lab	method blank	11/4/2016	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	Lab	LCS	11/4/2016	Conventional	Phenolics	n/a	=	0.101	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	Lab	LCS, rec	11/4/2016	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike	11/4/2016	Conventional	Phenolics	n/a	=	0.241	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	ME-VR2	matrix spike, rec	11/4/2016	Conventional	Phenolics	n/a	=	95	%	EPA 420.4	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike dup	11/4/2016	Conventional	Phenolics	n/a	=	0.243	mg/L	EPA 420.4	0.0042	0.01			
2016/17-1	ME-VR2	matrix spike dup, rec	11/4/2016	Conventional	Phenolics	n/a	=	96	%	EPA 420.4	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike, RPD	11/4/2016	Conventional	Phenolics	n/a	=	0.7	%	EPA 420.4	-88	-88	0	20	
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	Specific Conductance	n/a	=	784	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-1	Lab	LCS	10/29/2016	Conventional	Specific Conductance	n/a	=	195	µmhos/cm	SM 2510 B	0.23	2			
2016/17-1	Lab	LCS, rec	10/29/2016	Conventional	Specific Conductance	n/a	=	98	%	SM 2510 B	-88	-88	95	105	
2016/17-1	Lab	method blank	10/29/2016	Conventional	Specific Conductance	n/a	DNQ	0.5	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-1	Lab	LCS	11/3/2016	Conventional	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2016/17-1	Lab	method blank	11/3/2016	Conventional	Specific Conductance	n/a	DNQ	0.52	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-1	MO-OJA	lab duplicate	10/29/2016	Conventional	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-1	Lab	LCS	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	0.185	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-1	Lab	LCS, rec	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	92	%	SM 4500-Cl G	-88	-88	85	110	
2016/17-1	Lab	method blank	10/29/2016	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-1	ME-CC	matrix spike	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	0.389	mg/L	SM 4500-Cl G	0.003	0.1			
2016/17-1	ME-CC	matrix spike dup	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	0.393	mg/L	SM 4500-Cl G	0.003	0.1			
2016/17-1	ME-CC	matrix spike dup, rec	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	87	%	SM 4500-Cl G	-88	-88	78	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	ME-CC	matrix spike, rec	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	86	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-1	ME-CC	matrix spike, RPD	10/29/2016	Conventional	Total Chlorine Residual	n/a	=	1	%	SM 4500-Cl G	-88	-88	0	15	
2016/17-1	000NONPJ	lab duplicate	11/1/2016	Conventional	Total Dissolved Solids	n/a	=	1820	mg/L	SM 2540 C	4	10		10	
2016/17-1	Lab	LCS	11/1/2016	Conventional	Total Dissolved Solids	n/a	=	795	mg/L	SM 2540 C	4	10			
2016/17-1	Lab	LCS, rec	11/1/2016	Conventional	Total Dissolved Solids	n/a	=	96	%	SM 2540 C	-88	-88	96	102	
2016/17-1	Lab	method blank	11/1/2016	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-1	MO-THO	lab duplicate	11/1/2016	Conventional	Total Dissolved Solids	n/a	=	1270	mg/L	SM 2540 C	4	10		10	
2016/17-1	000NONPJ	matrix spike	11/2/2016	Conventional	Total Organic Carbon	n/a	=	4.94	mg/L	SM 5310 C	0.009	0.3			
2016/17-1	000NONPJ	matrix spike dup	11/2/2016	Conventional	Total Organic Carbon	n/a	=	5.3	mg/L	SM 5310 C	0.009	0.3			
2016/17-1	000NONPJ	matrix spike dup, rec	11/2/2016	Conventional	Total Organic Carbon	n/a	=	102	%	SM 5310 C	-88	-88	80	116	
2016/17-1	000NONPJ	matrix spike, rec	11/2/2016	Conventional	Total Organic Carbon	n/a	=	95	%	SM 5310 C	-88	-88	80	116	
2016/17-1	000NONPJ	matrix spike, RPD	11/2/2016	Conventional	Total Organic Carbon	n/a	=	7	%	SM 5310 C	-88	-88	0	20	
2016/17-1	Lab	LCS	11/2/2016	Conventional	Total Organic Carbon	n/a	=	9.81	mg/L	SM 5310 C	0.009	0.3			
2016/17-1	Lab	LCS	11/2/2016	Conventional	Total Organic Carbon	n/a	=	4.98	mg/L	SM 5310 C	0.009	0.3			
2016/17-1	Lab	LCS, rec	11/2/2016	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	85	115	
2016/17-1	Lab	LCS, rec	11/2/2016	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 C	-88	-88	85	115	
2016/17-1	Lab	method blank	11/2/2016	Conventional	Total Organic Carbon	n/a	DNQ	0.0595	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-1	Lab	method blank	11/2/2016	Conventional	Total Organic Carbon	n/a	DNQ	0.0568	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	Total Suspended Solids	n/a	=	43	mg/L	SM 2540 D	-88	5		20	
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	Total Suspended Solids	n/a	=	25	mg/L	SM 2540 D	-88	5		20	
2016/17-1	Lab	LCS	11/3/2016	Conventional	Total Suspended Solids	n/a	=	55	mg/L	SM 2540 D	-88	5			
2016/17-1	Lab	LCS, rec	11/3/2016	Conventional	Total Suspended Solids	n/a	=	101	%	SM 2540 D	-88	-88	90	110	
2016/17-1	Lab	method blank	11/3/2016	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-1	Lab	LCS	10/29/2016	Conventional	Turbidity	n/a	=	14.7	NTU	EPA 180.1	0.024	0.1			
2016/17-1	Lab	LCS, rec	10/29/2016	Conventional	Turbidity	n/a	=	91	%	EPA 180.1	-88	-88	90	110	
2016/17-1	Lab	method blank	10/29/2016	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-1	Lab	LCS	10/29/2016	Conventional	Turbidity	n/a	=	16.7	NTU	EPA 180.1	0.024	0.1			
2016/17-1	Lab	LCS, rec	10/29/2016	Conventional	Turbidity	n/a	=	104	%	EPA 180.1	-88	-88	90	110	
2016/17-1	Lab	method blank	10/29/2016	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-1	ME-VR2	lab duplicate	10/29/2016	Conventional	Turbidity	n/a	=	20.6	NTU	EPA 180.1	0.024	0.1		10	
2016/17-1	MO-OXN	lab duplicate	10/29/2016	Conventional	Turbidity	n/a	=	169	NTU	EPA 180.1	0.24	1		10	
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	Volatile Suspended Solids	n/a	=	8	mg/L	EPA 160.4	3.1	5		15	
2016/17-1	000NONPJ	lab duplicate	11/3/2016	Conventional	Volatile Suspended Solids	n/a	=	5	mg/L	EPA 160.4	3.1	5		15	
2016/17-1	Lab	method blank	11/3/2016	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-1	Lab	method blank	11/28/2016	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2016/17-1	Lab	LCS	11/28/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.489	mg/L	EPA 8015B	0.024	0.1			
2016/17-1	Lab	LCS, rec	11/28/2016	Hydrocarbon	Diesel Range Organics	n/a	=	98	%	EPA 8015B	-88	-88	56	136	
2016/17-1	Lab	LCS dup	11/28/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.548	mg/L	EPA 8015B	0.024	0.1			
2016/17-1	Lab	LCS dup, rec	11/28/2016	Hydrocarbon	Diesel Range Organics	n/a	=	110	%	EPA 8015B	-88	-88	56	136	
2016/17-1	Lab	LCS, RPD	11/28/2016	Hydrocarbon	Diesel Range Organics	n/a	=	12	%	EPA 8015B	-88	-88	0	25	
2016/17-1	Lab	LCS	11/2/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	0.925	mg/L	EPA 8015B	0.044	0.1			
2016/17-1	Lab	LCS, rec	11/2/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	92	%	EPA 8015B	-88	-88	75	123	
2016/17-1	Lab	LCS dup	11/2/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	0.979	mg/L	EPA 8015B	0.044	0.1			
2016/17-1	Lab	LCS dup, rec	11/2/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	98	%	EPA 8015B	-88	-88	75	123	
2016/17-1	Lab	LCS, RPD	11/2/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	6	%	EPA 8015B	-88	-88	0	25	
2016/17-1	Lab	method blank	11/2/2016	Hydrocarbon	Gasoline Range Organics	n/a	DNQ	0.06	mg/L	EPA 8015B	0.044	0.1			IP
2016/17-1	Lab	LCS	11/4/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.07	mg/L	EPA 8015B	0.044	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/4/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	107	%	EPA 8015B	-88	-88	75	123	
2016/17-1	Lab	LCS dup	11/4/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.15	mg/L	EPA 8015B	0.044	0.1			
2016/17-1	Lab	LCS dup, rec	11/4/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	115	%	EPA 8015B	-88	-88	75	123	
2016/17-1	Lab	LCS, RPD	11/4/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	7	%	EPA 8015B	-88	-88	0	25	
2016/17-1	Lab	method blank	11/4/2016	Hydrocarbon	Gasoline Range Organics	n/a	DNQ	0.056	mg/L	EPA 8015B	0.044	0.1			IP
2016/17-1	MO-VEN	field duplicate	11/3/2016	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2016/17-1	Lab	srgt method blank	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.215	mg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	86	%	EPA 8015B	-88	-88	64	155	
2016/17-1	Lab	srgt LCS	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.209	mg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	83	%	EPA 8015B	-88	-88	64	155	
2016/17-1	Lab	srgt LCS dup	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.227	mg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	91	%	EPA 8015B	-88	-88	64	155	
2016/17-1	ME-CC	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.236	mg/L	EPA 8015B	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015B	-88	-88	64	155	
2016/17-1	ME-VR2	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.25	mg/L	EPA 8015B	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	100	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-FIL	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.222	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	89	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-MEI	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.2	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	80	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-MPK	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.206	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	79	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-OJA	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.224	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	90	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-OXN	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.205	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	82	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-SIM	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.22	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	88	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-SPA	srgt environ	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.217	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/28/2016	Hydrocarbon	n-Tetracosane	n/a	=	87	%	EPA 8015B	-88	-88	64	155	
2016/17-1	MO-THO	srgt environ	11/29/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.236	mg/L	EPA 8015B	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/29/2016	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015B	-88	-88	64	155	
2016/17-1	000NONPJ	matrix spike	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	20	mg/L	EPA 1664A	1.3	5			
2016/17-1	000NONPJ	matrix spike, rec	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	85	%	EPA 1664A	-88	-88	78	114	
2016/17-1	000NONPJ	matrix spike	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2016/17-1	000NONPJ	matrix spike, rec	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	81	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS	11/2/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	4.4	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	LCS	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	20.7	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	LCS dup	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	19	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	LCS dup, rec	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	95	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS, rec	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	104	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS, rec	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS, RPD	11/2/2016	Hydrocarbon	Oil and Grease	n/a	=	9	%	EPA 1664A	-88	-88	0	18	
2016/17-1	Lab	method blank	11/2/2016	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	LCS	11/7/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	4.2	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	LCS	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	18.6	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	LCS dup	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	19.9	mg/L	EPA 1664A	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup, rec	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	100	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS, rec	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS, rec	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	93	%	EPA 1664A	-88	-88	78	114	
2016/17-1	Lab	LCS, RPD	11/7/2016	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2016/17-1	Lab	method blank	11/7/2016	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-1	MO-VEN	field duplicate	11/2/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	2.9	mg/L	EPA 1664A	1.3	5			
2016/17-1	Lab	method blank	11/28/2016	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2016/17-1	Lab	method blank	11/8/2016	Metal	Aluminum	Dissolved	DNQ	1.3	µg/L	EPA 200.8	1.3	5			IP
2016/17-1	Lab	LCS	11/8/2016	Metal	Aluminum	Dissolved	=	49.8	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Aluminum	Dissolved	=	46.7	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Aluminum	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Aluminum	Total	=	49.8	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Aluminum	Total	=	48.8	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Aluminum	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Aluminum	Total	=	46.7	µg/L	EPA 200.8	1.3	5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Aluminum	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Aluminum	Total	=	27700	µg/L	EPA 200.8	6.5	25			GB
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Aluminum	Total	=	1050	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Aluminum	Total	=	28900	µg/L	EPA 200.8	6.5	25			GB
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Aluminum	Total	=	3500	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Aluminum	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Aluminum	Total	=	8100	µg/L	EPA 200.8	1.3	5			GB
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Aluminum	Total	=	1150	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Aluminum	Total	=	8260	µg/L	EPA 200.8	1.3	5			GB
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Aluminum	Total	=	1460	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Aluminum	Total	=	8400	µg/L	EPA 200.8	1.3	5			GB
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Aluminum	Total	=	916	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Aluminum	Total	=	8100	µg/L	EPA 200.8	1.3	5			GB
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Aluminum	Total	=	316	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Aluminum	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Antimony	Dissolved	=	48.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Antimony	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Antimony	Dissolved	=	47	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Antimony	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Antimony	Total	=	48.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS	11/9/2016	Metal	Antimony	Total	=	47	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Antimony	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Antimony	Total	=	21	µg/L	EPA 200.8	0.22	2.5			GB
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Antimony	Total	=	38	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Antimony	Total	=	20.4	µg/L	EPA 200.8	0.22	2.5			GB
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Antimony	Total	=	37	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Antimony	Total	=	38.5	µg/L	EPA 200.8	0.045	0.5			GB
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Antimony	Total	=	69	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Antimony	Total	=	40.2	µg/L	EPA 200.8	0.045	0.5			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Antimony	Total	=	73	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Antimony	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Antimony	Total	=	30.8	µg/L	EPA 200.8	0.045	0.5			GB
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Antimony	Total	=	60	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Antimony	Total	=	30.8	µg/L	EPA 200.8	0.045	0.5			GB
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Antimony	Total	=	60	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Antimony	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS	11/8/2016	Metal	Arsenic	Dissolved	=	50.2	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Arsenic	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS	11/9/2016	Metal	Arsenic	Dissolved	=	48.9	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Arsenic	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS	11/8/2016	Metal	Arsenic	Total	=	50.2	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS	11/9/2016	Metal	Arsenic	Total	=	48.9	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Arsenic	Total	=	53.2	µg/L	EPA 200.8	0.37	2			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Arsenic	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Arsenic	Total	=	54.3	µg/L	EPA 200.8	0.37	2			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Arsenic	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Arsenic	Total	=	56.2	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Arsenic	Total	=	56.8	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Arsenic	Total	=	52.9	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Arsenic	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Arsenic	Total	=	51.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Arsenic	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Barium	Total	=	48.2	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/9/2016	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Barium	Total	=	47.1	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Barium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Barium	Total	=	426	µg/L	EPA 200.8	0.36	2.5			GB
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Barium	Total	=	59	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Barium	Total	=	424	µg/L	EPA 200.8	0.36	2.5			GB
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Barium	Total	=	54	%	EPA 200.8	-88	-88	70	130	GB
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Barium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Barium	Total	=	201	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Barium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Barium	Total	=	205	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Barium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Barium	Total	=	131	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Barium	Total	=	126	µg/L	EPA 200.8	0.071	0.5			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Barium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Barium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS	11/8/2016	Metal	Beryllium	Dissolved	=	48	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Beryllium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS	11/9/2016	Metal	Beryllium	Dissolved	=	47.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS	11/8/2016	Metal	Beryllium	Total	=	48	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS	11/9/2016	Metal	Beryllium	Total	=	47.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.16	0.5			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Beryllium	Total	=	47.2	µg/L	EPA 200.8	0.16	0.5			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Beryllium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Beryllium	Total	=	49.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Beryllium	Total	=	49.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Beryllium	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Beryllium	Total	=	48.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Beryllium	Total	=	46.9	µg/L	EPA 200.8	0.033	0.1			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Beryllium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS	11/8/2016	Metal	Cadmium	Dissolved	=	48.9	µg/L	EPA 200.8	0.041	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS	11/9/2016	Metal	Cadmium	Dissolved	=	47.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Cadmium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS	11/8/2016	Metal	Cadmium	Total	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS	11/9/2016	Metal	Cadmium	Total	=	47.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Cadmium	Total	=	50.4	µg/L	EPA 200.8	0.2	0.5			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Cadmium	Total	=	49.6	µg/L	EPA 200.8	0.2	0.5			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Cadmium	Total	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Cadmium	Total	=	49.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Cadmium	Total	=	45.4	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Cadmium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Cadmium	Total	=	44.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Cadmium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Chromium	Dissolved	=	49.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Chromium	Dissolved	=	47.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Chromium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Chromium	Total	=	49.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Chromium	Total	=	47.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Chromium	Total	=	95.6	µg/L	EPA 200.8	0.18	1			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Chromium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Chromium	Total	=	96.6	µg/L	EPA 200.8	0.18	1			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Chromium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Chromium	Total	=	65.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Chromium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Chromium	Total	=	66.3	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Chromium	Total	=	66.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Chromium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Chromium	Total	=	65.2	µg/L	EPA 200.8	0.035	0.2			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Chromium	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/9/2016	Metal	Chromium VI	n/a	=	5.33	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	000NONPJ	matrix spike	11/9/2016	Metal	Chromium VI	n/a	=	9.98	µg/L	EPA 218.6	0.0048	0.02			GB
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Metal	Chromium VI	n/a	=	5.49	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	000NONPJ	matrix spike dup	11/9/2016	Metal	Chromium VI	n/a	=	9.92	µg/L	EPA 218.6	0.0048	0.02			GB
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Metal	Chromium VI	n/a	=	114	%	EPA 218.6	-88	-88	88	112	GB
2016/17-1	000NONPJ	matrix spike dup, rec	11/9/2016	Metal	Chromium VI	n/a	=	107	%	EPA 218.6	-88	-88	88	112	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	
2016/17-1	000NONPJ	matrix spike, rec	11/9/2016	Metal	Chromium VI	n/a	=	115	%	EPA 218.6	-88	-88	88	112	GB
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2016/17-1	000NONPJ	matrix spike, RPD	11/9/2016	Metal	Chromium VI	n/a	=	0.6	%	EPA 218.6	-88	-88	0	10	
2016/17-1	000NONPJ	matrix spike	11/10/2016	Metal	Chromium VI	n/a	=	6.09	µg/L	EPA 218.6	0.0048	0.02			GB
2016/17-1	000NONPJ	matrix spike	11/10/2016	Metal	Chromium VI	n/a	=	5.37	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	000NONPJ	matrix spike dup	11/10/2016	Metal	Chromium VI	n/a	=	5.76	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	000NONPJ	matrix spike dup	11/10/2016	Metal	Chromium VI	n/a	=	5.53	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	000NONPJ	matrix spike dup, rec	11/10/2016	Metal	Chromium VI	n/a	=	108	%	EPA 218.6	-88	-88	88	112	
2016/17-1	000NONPJ	matrix spike dup, rec	11/10/2016	Metal	Chromium VI	n/a	=	106	%	EPA 218.6	-88	-88	88	112	
2016/17-1	000NONPJ	matrix spike, rec	11/10/2016	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	88	112	
2016/17-1	000NONPJ	matrix spike, rec	11/10/2016	Metal	Chromium VI	n/a	=	113	%	EPA 218.6	-88	-88	88	112	GB
2016/17-1	000NONPJ	matrix spike, RPD	11/10/2016	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2016/17-1	000NONPJ	matrix spike, RPD	11/10/2016	Metal	Chromium VI	n/a	=	5	%	EPA 218.6	-88	-88	0	10	
2016/17-1	Lab	LCS	11/9/2016	Metal	Chromium VI	n/a	=	5.23	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	90	110	
2016/17-1	Lab	method blank	11/9/2016	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	Lab	LCS	11/10/2016	Metal	Chromium VI	n/a	=	5.22	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	Lab	LCS, rec	11/10/2016	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	90	110	
2016/17-1	Lab	method blank	11/10/2016	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-1	Lab	method blank	11/8/2016	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Copper	Dissolved	=	50.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Copper	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Copper	Dissolved	=	49.6	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Copper	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Copper	Total	=	50.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Copper	Total	=	49.6	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Copper	Total	=	123	µg/L	EPA 200.8	0.65	2.5			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Copper	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Copper	Total	=	123	µg/L	EPA 200.8	0.65	2.5			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Copper	Total	=	87	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Copper	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Copper	Total	=	116	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Copper	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Copper	Total	=	118	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Copper	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Copper	Total	=	62	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Copper	Total	=	82	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Copper	Total	=	61.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Copper	Total	=	80	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/2/2016	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS	11/2/2016	Metal	Iron	Dissolved	=	186	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS, rec	11/2/2016	Metal	Iron	Dissolved	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS	11/8/2016	Metal	Iron	Dissolved	=	184	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Iron	Dissolved	=	92	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/2/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS	11/2/2016	Metal	Iron	Total	=	186	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS, rec	11/2/2016	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS	11/8/2016	Metal	Iron	Total	=	184	µg/L	EPA 200.7	1.1	10			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Iron	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/8/2016	Metal	Iron	Total	=	1440	µg/L	EPA 200.7	1.1	10			
2016/17-1	ME-VR2	matrix spike, rec	11/8/2016	Metal	Iron	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike dup	11/8/2016	Metal	Iron	Total	=	1440	µg/L	EPA 200.7	1.1	10			
2016/17-1	ME-VR2	matrix spike dup, rec	11/8/2016	Metal	Iron	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike, RPD	11/8/2016	Metal	Iron	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-SPA	matrix spike	11/2/2016	Metal	Iron	Total	=	15100	µg/L	EPA 200.7	1.1	10			GB
2016/17-1	MO-SPA	matrix spike, rec	11/2/2016	Metal	Iron	Total	=	-162	%	EPA 200.7	-88	-88	70	130	GB
2016/17-1	MO-SPA	matrix spike dup	11/2/2016	Metal	Iron	Total	=	15500	µg/L	EPA 200.7	1.1	10			GB
2016/17-1	MO-SPA	matrix spike dup, rec	11/2/2016	Metal	Iron	Total	=	47	%	EPA 200.7	-88	-88	70	130	GB
2016/17-1	MO-SPA	matrix spike, RPD	11/2/2016	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2016/17-1	MO-VEN	matrix spike	11/2/2016	Metal	Iron	Total	=	20800	µg/L	EPA 200.7	1.1	10			GB
2016/17-1	MO-VEN	matrix spike, rec	11/2/2016	Metal	Iron	Total	=	867	%	EPA 200.7	-88	-88	70	130	GB
2016/17-1	MO-VEN	matrix spike dup	11/2/2016	Metal	Iron	Total	=	21100	µg/L	EPA 200.7	1.1	10			GB
2016/17-1	MO-VEN	matrix spike dup, rec	11/2/2016	Metal	Iron	Total	=	1010	%	EPA 200.7	-88	-88	70	130	GB
2016/17-1	MO-VEN	matrix spike, RPD	11/2/2016	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Lead	Dissolved	=	47.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Lead	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Lead	Dissolved	=	45.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Lead	Dissolved	=	91	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Lead	Total	=	47.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/9/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Lead	Total	=	45.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Lead	Total	=	91	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Lead	Total	=	97	µg/L	EPA 200.8	0.16	1			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Lead	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Lead	Total	=	96.2	µg/L	EPA 200.8	0.16	1			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Lead	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Lead	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Lead	Total	=	63.9	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Lead	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Lead	Total	=	65.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Lead	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Lead	Total	=	48.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Lead	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/17/2016	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS	11/17/2016	Metal	Mercury	Dissolved	=	467	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS, rec	11/17/2016	Metal	Mercury	Dissolved	=	93	%	EPA 245.1	-88	-88	85	115	
2016/17-1	Lab	method blank	11/18/2016	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS	11/18/2016	Metal	Mercury	Dissolved	=	989	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS, rec	11/18/2016	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/17/2016	Metal	Mercury	Dissolved	=	912	ng/L	EPA 245.1	17	50			
2016/17-1	ME-VR2	matrix spike, rec	11/17/2016	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike dup	11/17/2016	Metal	Mercury	Dissolved	=	899	ng/L	EPA 245.1	17	50			
2016/17-1	ME-VR2	matrix spike dup, rec	11/17/2016	Metal	Mercury	Dissolved	=	90	%	EPA 245.1	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike, RPD	11/17/2016	Metal	Mercury	Dissolved	=	1	%	EPA 245.1	-88	-88	0	20	
2016/17-1	MO-OJA	matrix spike	11/18/2016	Metal	Mercury	Dissolved	=	842	ng/L	EPA 245.1	17	50			
2016/17-1	MO-OJA	matrix spike, rec	11/18/2016	Metal	Mercury	Dissolved	=	84	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-OJA	matrix spike dup	11/18/2016	Metal	Mercury	Dissolved	=	766	ng/L	EPA 245.1	17	50			
2016/17-1	MO-OJA	matrix spike dup, rec	11/18/2016	Metal	Mercury	Dissolved	=	77	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-OJA	matrix spike, RPD	11/18/2016	Metal	Mercury	Dissolved	=	9	%	EPA 245.1	-88	-88	0	20	
2016/17-1	MO-SPA	matrix spike	11/18/2016	Metal	Mercury	Dissolved	=	891	ng/L	EPA 245.1	17	50			
2016/17-1	MO-SPA	matrix spike, rec	11/18/2016	Metal	Mercury	Dissolved	=	87	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike dup	11/18/2016	Metal	Mercury	Dissolved	=	822	ng/L	EPA 245.1	17	50			
2016/17-1	MO-SPA	matrix spike dup, rec	11/18/2016	Metal	Mercury	Dissolved	=	80	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike, RPD	11/18/2016	Metal	Mercury	Dissolved	=	8	%	EPA 245.1	-88	-88	0	20	
2016/17-1	Lab	method blank	11/17/2016	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS	11/17/2016	Metal	Mercury	Total	=	467	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS, rec	11/17/2016	Metal	Mercury	Total	=	93	%	EPA 245.1	-88	-88	85	115	
2016/17-1	Lab	method blank	11/18/2016	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS	11/18/2016	Metal	Mercury	Total	=	989	ng/L	EPA 245.1	17	50			
2016/17-1	Lab	LCS, rec	11/18/2016	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	85	115	
2016/17-1	ME-VR2	matrix spike	11/17/2016	Metal	Mercury	Total	=	912	ng/L	EPA 245.1	17	50			
2016/17-1	ME-VR2	matrix spike, rec	11/17/2016	Metal	Mercury	Total	=	88	%	EPA 245.1	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	ME-VR2	matrix spike dup	11/17/2016	Metal	Mercury	Total	=	899	ng/L	EPA 245.1	17	50			
2016/17-1	ME-VR2	matrix spike dup, rec	11/17/2016	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2016/17-1	ME-VR2	matrix spike, RPD	11/17/2016	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2016/17-1	MO-OJA	matrix spike	11/18/2016	Metal	Mercury	Total	=	842	ng/L	EPA 245.1	17	50			
2016/17-1	MO-OJA	matrix spike, rec	11/18/2016	Metal	Mercury	Total	=	71	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-OJA	matrix spike dup	11/18/2016	Metal	Mercury	Total	=	766	ng/L	EPA 245.1	17	50			GB
2016/17-1	MO-OJA	matrix spike dup, rec	11/18/2016	Metal	Mercury	Total	=	63	%	EPA 245.1	-88	-88	70	130	GB
2016/17-1	MO-OJA	matrix spike, RPD	11/18/2016	Metal	Mercury	Total	=	9	%	EPA 245.1	-88	-88	0	20	
2016/17-1	MO-SPA	matrix spike	11/18/2016	Metal	Mercury	Total	=	891	ng/L	EPA 245.1	17	50			
2016/17-1	MO-SPA	matrix spike, rec	11/18/2016	Metal	Mercury	Total	=	83	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike dup	11/18/2016	Metal	Mercury	Total	=	822	ng/L	EPA 245.1	17	50			
2016/17-1	MO-SPA	matrix spike dup, rec	11/18/2016	Metal	Mercury	Total	=	76	%	EPA 245.1	-88	-88	70	130	
2016/17-1	MO-SPA	matrix spike, RPD	11/18/2016	Metal	Mercury	Total	=	8	%	EPA 245.1	-88	-88	0	20	
2016/17-1	Lab	method blank	11/8/2016	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS	11/8/2016	Metal	Nickel	Dissolved	=	49.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Nickel	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS	11/9/2016	Metal	Nickel	Dissolved	=	49	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Nickel	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS	11/8/2016	Metal	Nickel	Total	=	49.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Nickel	Total	DNQ	0.08	µg/L	EPA 200.8	0.045	0.8			IP
2016/17-1	Lab	LCS	11/9/2016	Metal	Nickel	Total	=	49	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Nickel	Total	=	92.6	µg/L	EPA 200.8	0.22	4			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Nickel	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Nickel	Total	=	92	µg/L	EPA 200.8	0.22	4			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Nickel	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Nickel	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Nickel	Total	=	71.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Nickel	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Nickel	Total	=	72.7	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Nickel	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Nickel	Total	=	63.6	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Nickel	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Nickel	Total	=	62.5	µg/L	EPA 200.8	0.045	0.8			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Nickel	Total	=	81	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS	11/8/2016	Metal	Selenium	Dissolved	=	49.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Selenium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS	11/9/2016	Metal	Selenium	Dissolved	=	48.3	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Selenium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/10/2016	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS	11/10/2016	Metal	Selenium	Dissolved	=	49.4	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS, rec	11/10/2016	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS	11/8/2016	Metal	Selenium	Total	=	49.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS	11/9/2016	Metal	Selenium	Total	=	48.3	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Selenium	Total	=	41.4	µg/L	EPA 200.8	0.7	2			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Selenium	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Selenium	Total	=	42.5	µg/L	EPA 200.8	0.7	2			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Selenium	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Selenium	Total	=	51.1	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Selenium	Total	=	49.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Selenium	Total	=	48.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Selenium	Total	=	47.2	µg/L	EPA 200.8	0.14	0.4			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Selenium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Silver	Dissolved	=	49.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Silver	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Silver	Dissolved	=	47.9	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Silver	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Silver	Total	=	49.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Silver	Total	=	47.9	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Silver	Total	=	46.5	µg/L	EPA 200.8	0.31	1			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Silver	Total	=	45.4	µg/L	EPA 200.8	0.31	1			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Silver	Total	=	46.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Silver	Total	=	47	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Silver	Total	=	46.7	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Silver	Total	=	45.2	µg/L	EPA 200.8	0.062	0.2			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Thallium	Dissolved	=	46.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Thallium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Thallium	Dissolved	=	44.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Thallium	Dissolved	=	89	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS	11/8/2016	Metal	Thallium	Total	=	46.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Thallium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS	11/9/2016	Metal	Thallium	Total	=	44.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Thallium	Total	=	89	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Thallium	Total	=	43.6	µg/L	EPA 200.8	0.07	1			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Thallium	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Thallium	Total	=	42.6	µg/L	EPA 200.8	0.07	1			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Thallium	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Thallium	Total	=	44.7	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Thallium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Thallium	Total	=	45.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Thallium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Thallium	Total	=	43.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Thallium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Thallium	Total	=	42.3	µg/L	EPA 200.8	0.014	0.2			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Thallium	Total	=	84	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Thallium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Metal	Zinc	Dissolved	DNQ	1.58	µg/L	EPA 200.8	0.94	5			IP
2016/17-1	Lab	LCS	11/8/2016	Metal	Zinc	Dissolved	=	52.2	µg/L	EPA 200.8	0.94	5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Zinc	Dissolved	DNQ	0.98	µg/L	EPA 200.8	0.94	5			IP
2016/17-1	Lab	LCS	11/9/2016	Metal	Zinc	Dissolved	=	50.6	µg/L	EPA 200.8	0.94	5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Zinc	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/8/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-1	Lab	LCS	11/8/2016	Metal	Zinc	Total	=	52.2	µg/L	EPA 200.8	0.94	5			
2016/17-1	Lab	LCS, rec	11/8/2016	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-1	Lab	method blank	11/9/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-1	Lab	LCS	11/9/2016	Metal	Zinc	Total	=	50.6	µg/L	EPA 200.8	0.94	5			
2016/17-1	Lab	LCS, rec	11/9/2016	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-1	MO-MPK	matrix spike	11/8/2016	Metal	Zinc	Total	=	638	µg/L	EPA 200.8	4.7	25			
2016/17-1	MO-MPK	matrix spike, rec	11/8/2016	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike dup	11/8/2016	Metal	Zinc	Total	=	639	µg/L	EPA 200.8	4.7	25			
2016/17-1	MO-MPK	matrix spike dup, rec	11/8/2016	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-MPK	matrix spike, RPD	11/8/2016	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-SIM	matrix spike	11/8/2016	Metal	Zinc	Total	=	343	µg/L	EPA 200.8	0.94	5			
2016/17-1	MO-SIM	matrix spike, rec	11/8/2016	Metal	Zinc	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike dup	11/8/2016	Metal	Zinc	Total	=	351	µg/L	EPA 200.8	0.94	5			
2016/17-1	MO-SIM	matrix spike dup, rec	11/8/2016	Metal	Zinc	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-SIM	matrix spike, RPD	11/8/2016	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	MO-THO	matrix spike	11/9/2016	Metal	Zinc	Total	=	129	µg/L	EPA 200.8	0.94	5			
2016/17-1	MO-THO	matrix spike, rec	11/9/2016	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike dup	11/9/2016	Metal	Zinc	Total	=	126	µg/L	EPA 200.8	0.94	5			
2016/17-1	MO-THO	matrix spike dup, rec	11/9/2016	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-1	MO-THO	matrix spike, RPD	11/9/2016	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.265	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike dup	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.263	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike dup	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.263	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	11/1/2016	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2016/17-1	000NONPJ	matrix spike, RPD	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.6	%	EPA 350.1	-88	-88	0	15	
2016/17-1	000NONPJ	matrix spike	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.272	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike dup	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.273	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike dup	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2016/17-1	000NONPJ	matrix spike, RPD	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2016/17-1	Lab	LCS	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.262	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	LCS	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.261	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	LCS, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2016/17-1	Lab	LCS, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2016/17-1	Lab	method blank	11/1/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	method blank	11/1/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	LCS	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.265	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	LCS	11/1/2016	Nutrient	Ammonia as N	n/a	=	0.263	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	LCS, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2016/17-1	Lab	LCS, rec	11/1/2016	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2016/17-1	Lab	method blank	11/1/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	Lab	method blank	11/1/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-1	000NONPJ	matrix spike	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	4.83	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike, rec	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	4.76	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	3.7	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	3.67	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	3.67	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	3.68	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	4.96	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	4.92	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.8	%	EPA 353.2	-88	-88	0	20	
2016/17-1	Lab	method blank	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.983	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS, rec	10/29/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-1	Lab	method blank	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.981	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-1	Lab	method blank	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.982	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS, rec	10/31/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike	10/29/2016	Nutrient	Nitrate as N	n/a	=	4.83	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike, rec	10/29/2016	Nutrient	Nitrate as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup	10/29/2016	Nutrient	Nitrate as N	n/a	=	4.76	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	10/29/2016	Nutrient	Nitrate as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	10/29/2016	Nutrient	Nitrate as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2016/17-1	Lab	method blank	10/29/2016	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS	10/29/2016	Nutrient	Nitrate as N	n/a	=	0.983	mg/L	EPA 353.2	0.041	0.1			
2016/17-1	Lab	LCS, rec	10/29/2016	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-1	Lab	method blank	11/10/2016	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	Lab	LCS	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	0.0897	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	Lab	LCS, rec	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	90	%	EPA 365.1	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	0.104	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	ME-VR2	matrix spike, rec	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike dup	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	0.103	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	ME-VR2	matrix spike dup, rec	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 365.1	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike, RPD	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2016/17-1	MO-THO	matrix spike	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	0.127	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	MO-THO	matrix spike, rec	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 365.1	-88	-88	90	110	
2016/17-1	MO-THO	matrix spike dup	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	0.125	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	MO-THO	matrix spike dup, rec	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 365.1	-88	-88	90	110	
2016/17-1	MO-THO	matrix spike, RPD	11/10/2016	Nutrient	Phosphorus as P	Dissolved	=	2	%	EPA 365.1	-88	-88	0	20	
2016/17-1	Lab	method blank	11/7/2016	Nutrient	Phosphorus as P	Total	DNQ	0.0017	mg/L	EPA 365.1	0.0014	0.01			IP
2016/17-1	Lab	LCS	11/7/2016	Nutrient	Phosphorus as P	Total	=	0.0475	mg/L	EPA 365.1	0.0014	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/7/2016	Nutrient	Phosphorus as P	Total	=	95	%	EPA 365.1	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike	11/7/2016	Nutrient	Phosphorus as P	Total	=	0.153	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	ME-VR2	matrix spike, rec	11/7/2016	Nutrient	Phosphorus as P	Total	=	107	%	EPA 365.1	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike dup	11/7/2016	Nutrient	Phosphorus as P	Total	=	0.149	mg/L	EPA 365.1	0.0014	0.01			
2016/17-1	ME-VR2	matrix spike dup, rec	11/7/2016	Nutrient	Phosphorus as P	Total	=	99	%	EPA 365.1	-88	-88	90	110	
2016/17-1	ME-VR2	matrix spike, RPD	11/7/2016	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2016/17-1	MO-THO	matrix spike	11/7/2016	Nutrient	Phosphorus as P	Total	=	0.848	mg/L	EPA 365.1	0.014	0.1			GB
2016/17-1	MO-THO	matrix spike, rec	11/7/2016	Nutrient	Phosphorus as P	Total	=	69	%	EPA 365.1	-88	-88	90	110	GB
2016/17-1	MO-THO	matrix spike dup	11/7/2016	Nutrient	Phosphorus as P	Total	=	0.874	mg/L	EPA 365.1	0.014	0.1			
2016/17-1	MO-THO	matrix spike dup, rec	11/7/2016	Nutrient	Phosphorus as P	Total	=	95	%	EPA 365.1	-88	-88	90	110	
2016/17-1	MO-THO	matrix spike, RPD	11/7/2016	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2016/17-1	000NONPJ	matrix spike	11/7/2016	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	000NONPJ	matrix spike	11/7/2016	Nutrient	TKN	n/a	=	1.23	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	000NONPJ	matrix spike dup	11/7/2016	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	000NONPJ	matrix spike dup	11/7/2016	Nutrient	TKN	n/a	=	1.19	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/7/2016	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike dup, rec	11/7/2016	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/7/2016	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, rec	11/7/2016	Nutrient	TKN	n/a	=	92	%	EPA 351.2	-88	-88	90	110	
2016/17-1	000NONPJ	matrix spike, RPD	11/7/2016	Nutrient	TKN	n/a	=	0.6	%	EPA 351.2	-88	-88	0	10	
2016/17-1	000NONPJ	matrix spike, RPD	11/7/2016	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2016/17-1	Lab	LCS	11/7/2016	Nutrient	TKN	n/a	=	0.992	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	Lab	LCS	11/7/2016	Nutrient	TKN	n/a	=	0.953	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	Lab	LCS, rec	11/7/2016	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2016/17-1	Lab	LCS, rec	11/7/2016	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2016/17-1	Lab	method blank	11/7/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	Lab	method blank	11/7/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-1	Lab	method blank	11/15/2016	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	22.9	µg/L	EPA 625	0.55	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	92	%	EPA 625	-88	-88	44	142	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	20	µg/L	EPA 625	0.55	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625	-88	-88	44	142	
2016/17-1	Lab	method blank	11/15/2016	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	1,2-Dichlorobenzene	n/a	=	20.9	µg/L	EPA 625	0.57	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	1,2-Dichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	32	129	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	1,2-Dichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	1,2-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.57	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	1,2-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	32	129	
2016/17-1	000NONPJ	srgt matrix spike	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-1	000NONPJ	srgt matrix spike dup	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-1	Lab	srgt LCS dup	11/1/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/1/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-1	Lab	srgt LCS	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	ME-CC	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-1	ME-VR2	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-FIL	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-MEI	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-MPK	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-OJA	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-OXN	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-SIM	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-SPA	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-THO	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-VEN	srgt environ	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-1	MO-VEN	srgt field duplicate	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-VEN	srgt field duplicate, rec	11/2/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-1	Lab	method blank	11/15/2016	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	method blank	11/15/2016	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	1,3-Dichlorobenzene	n/a	=	19.2	µg/L	EPA 625	0.53	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	1,3-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	0.1	172	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	1,3-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	1,3-Dichlorobenzene	n/a	=	18.6	µg/L	EPA 625	0.53	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	1,3-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	0.1	172	
2016/17-1	000NONPJ	srgt matrix spike	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.463	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	000NONPJ	srgt matrix spike dup	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.457	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	000NONPJ	srgt matrix spike	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.437	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	000NONPJ	srgt matrix spike dup	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.451	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	Lab	srgt method blank	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.491	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	Lab	srgt LCS	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.487	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	Lab	srgt method blank	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.65	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	73	138	
2016/17-1	Lab	srgt LCS	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.84	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	srgt LCS dup	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.88	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	73	138	
2016/17-1	Lab	srgt method blank	11/14/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.66	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/14/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	73	138	
2016/17-1	Lab	srgt LCS dup	11/14/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.93	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/14/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2016/17-1	Lab	srgt LCS	11/14/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.81	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/14/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.394	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.37	µg/L	EPA 525.2m	-88	-88			GN
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	74	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-1	ME-CC	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.46	µg/L	EPA 525.2m	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	ME-CC	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	73	138	
2016/17-1	ME-VR2	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.422	µg/L	EPA 525.2m	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	84	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	ME-VR2	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.1	µg/L	EPA 525.2	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-FIL	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.399	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	80	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-FIL	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.23	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-MEI	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.403	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-MEI	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.3	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-MPK	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.387	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	77	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-MPK	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-OJA	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.444	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-OJA	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-OXN	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.471	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-OXN	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.4	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-SIM	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.463	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-SIM	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.43	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	129	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-SPA	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.417	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-SPA	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.77	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-SPA	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-THO	srgt environ	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.28	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/11/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.379	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	76	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	MO-VEN	srgt environ	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.406	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/8/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2m	-88	-88	76	128	
2016/17-1	Lab	method blank	11/15/2016	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	1,4-Dichlorobenzene	n/a	=	20.1	µg/L	EPA 625	0.55	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	1,4-Dichlorobenzene	n/a	=	80	%	EPA 625	-88	-88	20	124	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	1,4-Dichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	1,4-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.55	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	1,4-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	20	124	
2016/17-1	Lab	method blank	11/30/2016	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	method blank	11/30/2016	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	34.9	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2016/17-1	Lab	srgt LCS dup	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	41.8	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	42.3	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2016/17-1	Lab	srgt method blank	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	6.62	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 8270C	-88	-88	26	117	
2016/17-1	Lab	srgt LCS	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.98	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 8270C	-88	-88	26	117	
2016/17-1	Lab	srgt LCS dup	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	9.48	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	95	%	EPA 8270C	-88	-88	26	117	
2016/17-1	Lab	srgt method blank	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	6.48	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625	-88	-88	25	102	
2016/17-1	Lab	srgt LCS	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.14	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	
2016/17-1	Lab	srgt LCS dup	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	6.12	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 625	-88	-88	25	102	
2016/17-1	ME-CC	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	39.9	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	40	%	EPA 625	-88	-88	25	102	
2016/17-1	ME-CC	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.63	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 8270C	-88	-88	26	117	
2016/17-1	ME-CC	srgt environ	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.09	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	
2016/17-1	ME-VR2	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	42.3	µg/L	EPA 625	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2016/17-1	ME-VR2	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.34	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-FIL	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	48.2	µg/L	EPA 625	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	96	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-FIL	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.2	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-MEI	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	49.4	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	99	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-MEI	srgt environ	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	9.1	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	91	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-MPK	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	37	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-MPK	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.6	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-OJA	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	41.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-OJA	srgt environ	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.4	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-OJA	srgt environ	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	4.55	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	12/3/2016	Organic	2,4,6-Tribromophenol	n/a	=	46	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-OXN	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	42.1	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-OXN	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	9.3	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-SIM	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	46	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-SIM	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	9.4	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-SPA	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	47.5	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	95	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-SPA	srgt environ	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	10	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	100	%	EPA 8270C	-88	-88	26	117	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	42.9	µg/L	EPA 625	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625	-88	-88	25	102	
2016/17-1	MO-THO	srgt environ	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.8	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	12/1/2016	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 8270C	-88	-88	26	117	
2016/17-1	Lab	method blank	11/15/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2,4,6-Trichlorophenol	n/a	=	26.5	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2,4,6-Trichlorophenol	n/a	=	106	%	EPA 625	-88	-88	37	144	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2,4,6-Trichlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2,4,6-Trichlorophenol	n/a	=	24.2	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2,4,6-Trichlorophenol	n/a	=	97	%	EPA 625	-88	-88	37	144	
2016/17-1	Lab	method blank	11/30/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	9.63	µg/L	EPA 8270C	0.3	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	96	%	EPA 8270C	-88	-88	30	115	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	10.2	µg/L	EPA 8270C	0.3	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	102	%	EPA 8270C	-88	-88	30	115	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2,4-Dichlorophenol	n/a	=	26.4	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2,4-Dichlorophenol	n/a	=	105	%	EPA 625	-88	-88	39	135	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2,4-Dichlorophenol	n/a	=	24.4	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2,4-Dichlorophenol	n/a	=	98	%	EPA 625	-88	-88	39	135	
2016/17-1	Lab	method blank	11/30/2016	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	2,4-Dichlorophenol	n/a	=	8.91	µg/L	EPA 8270C	0.51	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	2,4-Dichlorophenol	n/a	=	89	%	EPA 8270C	-88	-88	32	105	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	2,4-Dichlorophenol	n/a	=	8.68	µg/L	EPA 8270C	0.51	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	2,4-Dichlorophenol	n/a	=	87	%	EPA 8270C	-88	-88	32	105	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-1	000NONPJ	srgt matrix spike	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	srgt matrix spike dup	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	srgt matrix spike	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.3	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	srgt matrix spike dup	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	srgt method blank	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.4	µg/L	EPA 515.3	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	srgt LCS	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.3	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-1	ME-CC	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-1	ME-VR2	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-FIL	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-MEI	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-MPK	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-OJA	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.98	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-OXN	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-SIM	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-SPA	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-THO	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-1	MO-VEN	srgt environ	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/15/2016	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2,4-Dimethylphenol	n/a	=	21.4	µg/L	EPA 625	0.3	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2,4-Dimethylphenol	n/a	=	86	%	EPA 625	-88	-88	32	119	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2,4-Dimethylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2,4-Dimethylphenol	n/a	=	20.2	µg/L	EPA 625	0.3	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2,4-Dimethylphenol	n/a	=	81	%	EPA 625	-88	-88	32	119	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/30/2016	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-1	Lab	LCS	11/30/2016	Organic	2,4-Dimethylphenol	n/a	=	6.82	µg/L	EPA 8270C	1	2			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	2,4-Dimethylphenol	n/a	=	68	%	EPA 8270C	-88	-88	31	97	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	2,4-Dimethylphenol	n/a	=	2.98	µg/L	EPA 8270C	1	2			EUM
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	2,4-Dimethylphenol	n/a	=	30	%	EPA 8270C	-88	-88	31	97	EUM
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	2,4-Dimethylphenol	n/a	=	78	%	EPA 8270C	-88	-88	0	30	IL
2016/17-1	Lab	method blank	11/15/2016	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2,4-Dinitrophenol	n/a	=	20.8	µg/L	EPA 625	1.6	10			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2,4-Dinitrophenol	n/a	=	83	%	EPA 625	-88	-88	0.1	191	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2,4-Dinitrophenol	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2,4-Dinitrophenol	n/a	=	20.7	µg/L	EPA 625	1.6	10			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2,4-Dinitrophenol	n/a	=	83	%	EPA 625	-88	-88	0.1	191	
2016/17-1	Lab	method blank	11/30/2016	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-1	Lab	LCS	11/30/2016	Organic	2,4-Dinitrophenol	n/a	=	11.2	µg/L	EPA 8270C	1	2			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	2,4-Dinitrophenol	n/a	=	112	%	EPA 8270C	-88	-88	7	155	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	2,4-Dinitrophenol	n/a	=	12.6	µg/L	EPA 8270C	1	2			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	2,4-Dinitrophenol	n/a	=	126	%	EPA 8270C	-88	-88	7	155	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	2,4-Dinitrophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2,4-Dinitrotoluene	n/a	=	23.4	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2,4-Dinitrotoluene	n/a	=	94	%	EPA 625	-88	-88	39	139	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2,4-Dinitrotoluene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2,4-Dinitrotoluene	n/a	=	23.3	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2,4-Dinitrotoluene	n/a	=	93	%	EPA 625	-88	-88	39	139	
2016/17-1	Lab	method blank	11/15/2016	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2,6-Dinitrotoluene	n/a	=	24.4	µg/L	EPA 625	0.27	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2,6-Dinitrotoluene	n/a	=	98	%	EPA 625	-88	-88	50	158	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2,6-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2,6-Dinitrotoluene	n/a	=	23.7	µg/L	EPA 625	0.27	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2,6-Dinitrotoluene	n/a	=	95	%	EPA 625	-88	-88	50	158	
2016/17-1	000NONPJ	matrix spike	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			GB
2016/17-1	000NONPJ	matrix spike, rec	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	0	%	EPA 624	-88	-88	0.1	305	GB
2016/17-1	000NONPJ	matrix spike dup	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			GB
2016/17-1	000NONPJ	matrix spike dup, rec	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	0	%	EPA 624	-88	-88	0.1	305	GB
2016/17-1	000NONPJ	matrix spike, RPD	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	0	%	EPA 624	-88	-88	0	25	
2016/17-1	Lab	LCS dup	11/1/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	63.1	µg/L	EPA 624	0.28	1			
2016/17-1	Lab	LCS dup, rec	11/1/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	126	%	EPA 624	-88	-88	0.1	305	
2016/17-1	Lab	LCS, RPD	11/1/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-1	Lab	LCS	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	64.1	µg/L	EPA 624	0.28	1			
2016/17-1	Lab	LCS, rec	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	128	%	EPA 624	-88	-88	0.1	305	
2016/17-1	MO-VEN	field duplicate	11/2/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-1	Lab	method blank	11/15/2016	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2-Chloronaphthalene	n/a	=	23.9	µg/L	EPA 625	0.45	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2-Chloronaphthalene	n/a	=	96	%	EPA 625	-88	-88	60	118	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2-Chloronaphthalene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2-Chloronaphthalene	n/a	=	21.3	µg/L	EPA 625	0.45	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2-Chloronaphthalene	n/a	=	85	%	EPA 625	-88	-88	60	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/15/2016	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2-Chlorophenol	n/a	=	20.4	µg/L	EPA 625	0.28	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2-Chlorophenol	n/a	=	81	%	EPA 625	-88	-88	23	134	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2-Chlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2-Chlorophenol	n/a	=	19.2	µg/L	EPA 625	0.28	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2-Chlorophenol	n/a	=	77	%	EPA 625	-88	-88	23	134	
2016/17-1	Lab	method blank	11/30/2016	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	2-Chlorophenol	n/a	=	7.66	µg/L	EPA 8270C	0.65	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	2-Chlorophenol	n/a	=	77	%	EPA 8270C	-88	-88	27	90	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	2-Chlorophenol	n/a	=	7.03	µg/L	EPA 8270C	0.65	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	2-Chlorophenol	n/a	=	70	%	EPA 8270C	-88	-88	27	90	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	2-Chlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2016/17-1	Lab	srgt LCS dup	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625	-88	-88	22	107	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2016/17-1	Lab	srgt method blank	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2016/17-1	Lab	srgt LCS	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.64	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270C	-88	-88	51	139	
2016/17-1	Lab	srgt LCS dup	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.6	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270C	-88	-88	51	139	
2016/17-1	Lab	srgt method blank	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	3.2	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2016/17-1	Lab	srgt LCS	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	3.31	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2016/17-1	Lab	srgt LCS dup	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	3.38	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 625	-88	-88	22	107	
2016/17-1	ME-CC	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	37	%	EPA 625	-88	-88	22	107	
2016/17-1	ME-CC	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2016/17-1	ME-CC	srgt environ	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	3.18	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2016/17-1	ME-VR2	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 625	-88	-88	22	107	
2016/17-1	ME-VR2	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.46	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-FIL	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-FIL	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	2.79	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-MEI	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-MEI	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	2.94	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-MEI	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-MPK	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-MPK	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.83	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-OJA	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-OJA	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	2.49	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 8270C	-88	-88	51	139	GN
2016/17-1	MO-OJA	srgt environ	12/3/2016	Organic	2-Fluorobiphenyl	n/a	<	0	µg/L	EPA 625	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	12/3/2016	Organic	2-Fluorobiphenyl	n/a	=	0	%	EPA 625	-88	-88	22	107	GN
2016/17-1	MO-OXN	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-OXN	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.24	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-SIM	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-SIM	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.15	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-SPA	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	21.3	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-SPA	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2016/17-1	MO-THO	srgt environ	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	3.08	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/30/2016	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	2-Fluorophenol	n/a	=	23.6	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2016/17-1	Lab	srgt LCS dup	11/15/2016	Organic	2-Fluorophenol	n/a	=	22.9	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	2-Fluorophenol	n/a	=	23.3	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2016/17-1	Lab	srgt method blank	11/30/2016	Organic	2-Fluorophenol	n/a	=	4.37	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/30/2016	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2016/17-1	Lab	srgt LCS	11/30/2016	Organic	2-Fluorophenol	n/a	=	4.56	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/30/2016	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270C	-88	-88	11	62	
2016/17-1	Lab	srgt LCS dup	11/30/2016	Organic	2-Fluorophenol	n/a	=	4.09	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/30/2016	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270C	-88	-88	11	62	
2016/17-1	Lab	srgt method blank	12/3/2016	Organic	2-Fluorophenol	n/a	=	3.65	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	12/3/2016	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2016/17-1	Lab	srgt LCS	12/3/2016	Organic	2-Fluorophenol	n/a	=	3.58	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	12/3/2016	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2016/17-1	Lab	srgt LCS dup	12/3/2016	Organic	2-Fluorophenol	n/a	=	3.15	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	12/3/2016	Organic	2-Fluorophenol	n/a	=	32	%	EPA 625	-88	-88	3	74	
2016/17-1	ME-CC	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	24.9	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	25	%	EPA 625	-88	-88	3	74	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	ME-CC	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	=	3.75	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2016/17-1	ME-CC	srgt environ	12/3/2016	Organic	2-Fluorophenol	n/a	=	3.14	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/3/2016	Organic	2-Fluorophenol	n/a	=	31	%	EPA 625	-88	-88	3	74	
2016/17-1	ME-VR2	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2016/17-1	ME-VR2	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	37	%	EPA 8270C	-88	-88	11	62	
2016/17-1	MO-FIL	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-FIL	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-FIL	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2016/17-1	MO-MEI	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	38	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-MEI	srgt environ	11/30/2016	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-MEI	srgt environ, rec	11/30/2016	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2016/17-1	MO-MPK	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	28	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-MPK	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-MPK	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2016/17-1	MO-OJA	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	18	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-OJA	srgt environ	11/30/2016	Organic	2-Fluorophenol	n/a	=	1.45	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/30/2016	Organic	2-Fluorophenol	n/a	=	14	%	EPA 8270C	-88	-88	11	62	
2016/17-1	MO-OJA	srgt environ	12/3/2016	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 625	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	12/3/2016	Organic	2-Fluorophenol	n/a	=	0	%	EPA 625	-88	-88	3	74	GN
2016/17-1	MO-OXN	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	11.7	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	23	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-OXN	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	=	1	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-OXN	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	10	%	EPA 8270C	-88	-88	11	62	GN
2016/17-1	MO-SIM	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	30	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-SIM	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	31	%	EPA 8270C	-88	-88	11	62	
2016/17-1	MO-SPA	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-SPA	srgt environ	11/30/2016	Organic	2-Fluorophenol	n/a	=	0.4	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-SPA	srgt environ, rec	11/30/2016	Organic	2-Fluorophenol	n/a	=	4	%	EPA 8270C	-88	-88	11	62	GN
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	2-Fluorophenol	n/a	=	15.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	2-Fluorophenol	n/a	=	31	%	EPA 625	-88	-88	3	74	
2016/17-1	MO-THO	srgt environ	12/1/2016	Organic	2-Fluorophenol	n/a	=	0.4	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-THO	srgt environ, rec	12/1/2016	Organic	2-Fluorophenol	n/a	=	4	%	EPA 8270C	-88	-88	11	62	GN
2016/17-1	Lab	method blank	11/30/2016	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	method blank	11/30/2016	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-1	Lab	method blank	11/15/2016	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	2-Nitrophenol	n/a	=	25	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	2-Nitrophenol	n/a	=	100	%	EPA 625	-88	-88	29	182	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	2-Nitrophenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	2-Nitrophenol	n/a	=	22	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	2-Nitrophenol	n/a	=	88	%	EPA 625	-88	-88	29	182	
2016/17-1	Lab	method blank	11/30/2016	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	2-Nitrophenol	n/a	=	8.64	µg/L	EPA 8270C	0.71	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	2-Nitrophenol	n/a	=	86	%	EPA 8270C	-88	-88	33	103	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	2-Nitrophenol	n/a	=	8.04	µg/L	EPA 8270C	0.71	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	2-Nitrophenol	n/a	=	80	%	EPA 8270C	-88	-88	33	103	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	2-Nitrophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	13.8	µg/L	EPA 625	1.2	5			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	55	%	EPA 625	-88	-88	0.1	262	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	83	%	EPA 625	-88	-88	0	30	IL
2016/17-1	Lab	LCS	11/15/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	5.7	µg/L	EPA 625	1.2	5			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	23	%	EPA 625	-88	-88	0.1	262	
2016/17-1	Lab	method blank	11/30/2016	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-1	Lab	method blank	11/15/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.6	µg/L	EPA 625	1.7	5			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	82	%	EPA 625	-88	-88	0.1	181	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	21.4	µg/L	EPA 625	1.7	5			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	86	%	EPA 625	-88	-88	0.1	181	
2016/17-1	Lab	method blank	11/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.95	µg/L	EPA 8270C	0.14	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	100	%	EPA 8270C	-88	-88	33	118	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	11	µg/L	EPA 8270C	0.14	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	110	%	EPA 8270C	-88	-88	33	118	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-1	000NONPJ	srgt matrix spike	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	000NONPJ	srgt matrix spike dup	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	Lab	srgt LCS dup	11/1/2016	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/1/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-1	Lab	srgt LCS	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-1	Lab	srgt LCS	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	40	µg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	80	%	EPA 8015B	-88	-88	72	124	
2016/17-1	Lab	srgt LCS dup	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015B	-88	-88	72	124	
2016/17-1	Lab	srgt method blank	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2016/17-1	Lab	srgt LCS	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2016/17-1	Lab	srgt LCS dup	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2016/17-1	Lab	srgt method blank	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015B	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	srgt method blank, rec	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015B	-88	-88	72	124	
2016/17-1	ME-CC	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	ME-CC	srgt environ	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015B	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015B	-88	-88	72	124	
2016/17-1	ME-VR2	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-1	ME-VR2	srgt environ	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	36	µg/L	EPA 8015B	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/4/2016	Organic	4-Bromofluorobenzene	n/a	=	72	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-FIL	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-FIL	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-MEI	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-MEI	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	36	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	72	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-MPK	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-MPK	srgt environ	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	38	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	76	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-OJA	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-OJA	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	36	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	72	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-OXN	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-OXN	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	38	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	76	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-SIM	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-SIM	srgt environ	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-SPA	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-SPA	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-THO	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-THO	srgt environ	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015B	-88	-88	72	124	
2016/17-1	MO-VEN	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-VEN	srgt field duplicate	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-1	MO-VEN	srgt field duplicate, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-1	MO-VEN	srgt environ	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	38	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/2/2016	Organic	4-Bromofluorobenzene	n/a	=	76	%	EPA 8015B	-88	-88	72	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-VEN	srgt field duplicate	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015B	-88	-88			
2016/17-1	MO-VEN	srgt field duplicate, rec	11/3/2016	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015B	-88	-88	72	124	
2016/17-1	Lab	method blank	11/15/2016	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	20.6	µg/L	EPA 625	0.36	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	82	%	EPA 625	-88	-88	53	127	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	20.6	µg/L	EPA 625	0.36	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	53	127	
2016/17-1	Lab	method blank	11/15/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	4-Chloro-3-methylphenol	n/a	=	25.3	µg/L	EPA 625	0.23	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	4-Chloro-3-methylphenol	n/a	=	101	%	EPA 625	-88	-88	22	147	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	4-Chloro-3-methylphenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	4-Chloro-3-methylphenol	n/a	=	23.6	µg/L	EPA 625	0.23	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	4-Chloro-3-methylphenol	n/a	=	94	%	EPA 625	-88	-88	22	147	
2016/17-1	Lab	method blank	11/30/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	9.3	µg/L	EPA 8270C	0.37	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	93	%	EPA 8270C	-88	-88	29	108	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	9.57	µg/L	EPA 8270C	0.37	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	96	%	EPA 8270C	-88	-88	29	108	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	23	µg/L	EPA 625	0.41	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	92	%	EPA 625	-88	-88	25	158	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	22	µg/L	EPA 625	0.41	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	88	%	EPA 625	-88	-88	25	158	
2016/17-1	Lab	method blank	11/15/2016	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	4-Nitrophenol	n/a	=	8.54	µg/L	EPA 625	0.45	5			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	4-Nitrophenol	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	4-Nitrophenol	n/a	=	8.5	µg/L	EPA 625	0.45	5			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2016/17-1	Lab	method blank	11/30/2016	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-1	Lab	LCS	11/30/2016	Organic	4-Nitrophenol	n/a	=	5.11	µg/L	EPA 8270C	1	2			EUM
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	4-Nitrophenol	n/a	=	51	%	EPA 8270C	-88	-88	6	46	EUM
2016/17-1	Lab	LCS dup	11/30/2016	Organic	4-Nitrophenol	n/a	=	5.82	µg/L	EPA 8270C	1	2			EUM
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	4-Nitrophenol	n/a	=	58	%	EPA 8270C	-88	-88	6	46	EUM
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	4-Nitrophenol	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Acenaphthene	n/a	=	22	µg/L	EPA 625	0.38	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Acenaphthene	n/a	=	88	%	EPA 625	-88	-88	47	145	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Acenaphthene	n/a	=	20.6	µg/L	EPA 625	0.38	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Acenaphthene	n/a	=	82	%	EPA 625	-88	-88	47	145	
2016/17-1	Lab	method blank	11/30/2016	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Acenaphthene	n/a	=	9.65	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Acenaphthene	n/a	=	97	%	EPA 8270C	-88	-88	11	122	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Acenaphthene	n/a	=	9.74	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Acenaphthene	n/a	=	97	%	EPA 8270C	-88	-88	11	122	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Acenaphthene	n/a	=	0.9	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Acenaphthylene	n/a	=	25.4	µg/L	EPA 625	0.4	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Acenaphthylene	n/a	=	102	%	EPA 625	-88	-88	33	145	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Acenaphthylene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Acenaphthylene	n/a	=	23.5	µg/L	EPA 625	0.4	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Acenaphthylene	n/a	=	94	%	EPA 625	-88	-88	33	145	
2016/17-1	Lab	method blank	11/30/2016	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Acenaphthylene	n/a	=	9.76	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Acenaphthylene	n/a	=	98	%	EPA 8270C	-88	-88	4	135	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Acenaphthylene	n/a	=	9.5	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Acenaphthylene	n/a	=	95	%	EPA 8270C	-88	-88	4	135	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Acenaphthylene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Anthracene	n/a	=	23.2	µg/L	EPA 625	0.34	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Anthracene	n/a	=	93	%	EPA 625	-88	-88	27	133	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Anthracene	n/a	=	22.6	µg/L	EPA 625	0.34	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Anthracene	n/a	=	90	%	EPA 625	-88	-88	27	133	
2016/17-1	Lab	method blank	11/30/2016	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Anthracene	n/a	=	9.73	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Anthracene	n/a	=	97	%	EPA 8270C	-88	-88	22	127	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Anthracene	n/a	=	8.83	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Anthracene	n/a	=	88	%	EPA 8270C	-88	-88	22	127	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Anthracene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Benz(a)anthracene	n/a	=	19.3	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Benz(a)anthracene	n/a	=	77	%	EPA 625	-88	-88	33	143	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Benz(a)anthracene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Benz(a)anthracene	n/a	=	17.8	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Benz(a)anthracene	n/a	=	71	%	EPA 625	-88	-88	33	143	
2016/17-1	Lab	method blank	11/30/2016	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Benz(a)anthracene	n/a	=	11	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Benz(a)anthracene	n/a	=	110	%	EPA 8270C	-88	-88	17	131	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Benz(a)anthracene	n/a	=	8.62	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Benz(a)anthracene	n/a	=	86	%	EPA 8270C	-88	-88	17	131	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Benz(a)anthracene	n/a	=	25	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-1	Lab	method blank	11/11/2016	Organic	Benzo(a)pyrene	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.1			
2016/17-1	Lab	LCS	11/11/2016	Organic	Benzo(a)pyrene	n/a	=	4.73	µg/L	EPA 525.2	0.02	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 525.2	-88	-88	40	147	
2016/17-1	Lab	LCS dup	11/11/2016	Organic	Benzo(a)pyrene	n/a	=	4.94	µg/L	EPA 525.2	0.02	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 525.2	-88	-88	40	147	
2016/17-1	Lab	LCS, RPD	11/11/2016	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Organic	Benzo(a)pyrene	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup	11/14/2016	Organic	Benzo(a)pyrene	n/a	=	3.71	µg/L	EPA 525.2	0.02	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Organic	Benzo(a)pyrene	n/a	=	74	%	EPA 525.2	-88	-88	40	147	
2016/17-1	Lab	LCS, RPD	11/14/2016	Organic	Benzo(a)pyrene	n/a	=	23	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Organic	Benzo(a)pyrene	n/a	=	4.67	µg/L	EPA 525.2	0.02	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 525.2	-88	-88	40	147	
2016/17-1	Lab	method blank	11/15/2016	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Benzo(a)pyrene	n/a	=	22.5	µg/L	EPA 625	0.13	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Benzo(a)pyrene	n/a	=	90	%	EPA 625	-88	-88	17	163	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Benzo(a)pyrene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Benzo(a)pyrene	n/a	=	19.7	µg/L	EPA 625	0.13	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Benzo(a)pyrene	n/a	=	79	%	EPA 625	-88	-88	17	163	
2016/17-1	Lab	method blank	11/30/2016	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Benzo(a)pyrene	n/a	=	8.54	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Benzo(a)pyrene	n/a	=	85	%	EPA 8270C	-88	-88	12	131	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Benzo(a)pyrene	n/a	=	6.55	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Benzo(a)pyrene	n/a	=	66	%	EPA 8270C	-88	-88	12	131	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Benzo(a)pyrene	n/a	=	26	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Benzo(b)fluoranthene	n/a	=	22.3	µg/L	EPA 625	0.14	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Benzo(b)fluoranthene	n/a	=	89	%	EPA 625	-88	-88	24	159	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Benzo(b)fluoranthene	n/a	=	21.8	µg/L	EPA 625	0.14	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Benzo(b)fluoranthene	n/a	=	87	%	EPA 625	-88	-88	24	159	
2016/17-1	Lab	method blank	11/30/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	9.62	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	96	%	EPA 8270C	-88	-88	19	129	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	7.6	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	76	%	EPA 8270C	-88	-88	19	129	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	23	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Benzo(g,h,i)perylene	n/a	=	17.9	µg/L	EPA 625	0.1	2			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Benzo(g,h,i)perylene	n/a	=	72	%	EPA 625	-88	-88	0.1	219	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Benzo(g,h,i)perylene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Benzo(g,h,i)perylene	n/a	=	16.9	µg/L	EPA 625	0.1	2			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Benzo(g,h,i)perylene	n/a	=	68	%	EPA 625	-88	-88	0.1	219	
2016/17-1	Lab	method blank	11/30/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	8.74	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	87	%	EPA 8270C	-88	-88	14	139	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	7.81	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	78	%	EPA 8270C	-88	-88	14	139	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Benzo(k)fluoranthene	n/a	=	24.6	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Benzo(k)fluoranthene	n/a	=	98	%	EPA 625	-88	-88	11	162	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Benzo(k)fluoranthene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Benzo(k)fluoranthene	n/a	=	21.1	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	11	162	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/30/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	7.56	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	76	%	EPA 8270C	-88	-88	22	127	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	5.75	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	57	%	EPA 8270C	-88	-88	22	127	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	27	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	23	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	92	%	EPA 625	-88	-88	33	184	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.8	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	79	%	EPA 625	-88	-88	33	184	
2016/17-1	Lab	method blank	11/15/2016	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	20	µg/L	EPA 625	0.27	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	80	%	EPA 625	-88	-88	12	158	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	18	µg/L	EPA 625	0.27	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	72	%	EPA 625	-88	-88	12	158	
2016/17-1	Lab	method blank	11/15/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.3	µg/L	EPA 625	0.38	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	93	%	EPA 625	-88	-88	36	166	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.2	µg/L	EPA 625	0.38	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	81	%	EPA 625	-88	-88	36	166	
2016/17-1	Lab	method blank	11/11/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-1	Lab	LCS	11/11/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.73	µg/L	EPA 525.2	0.1	5			
2016/17-1	Lab	LCS, rec	11/11/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	95	%	EPA 525.2	-88	-88	71	158	
2016/17-1	Lab	LCS dup	11/11/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5	µg/L	EPA 525.2	0.1	5			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	100	%	EPA 525.2	-88	-88	71	158	
2016/17-1	Lab	LCS, RPD	11/11/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-1	Lab	LCS dup	11/14/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.14	µg/L	EPA 525.2	0.1	5			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	83	%	EPA 525.2	-88	-88	71	158	
2016/17-1	Lab	LCS, RPD	11/14/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.21	µg/L	EPA 525.2	0.1	5			
2016/17-1	Lab	LCS, rec	11/14/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	84	%	EPA 525.2	-88	-88	71	158	
2016/17-1	Lab	method blank	11/11/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.6	µg/L	EPA 525.2	0.6	3			
2016/17-1	Lab	LCS	11/11/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.24	µg/L	EPA 525.2	0.6	3			
2016/17-1	Lab	LCS, rec	11/11/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	68	154	
2016/17-1	Lab	LCS dup	11/11/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.23	µg/L	EPA 525.2	0.6	3			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	68	154	
2016/17-1	Lab	LCS, RPD	11/11/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.6	µg/L	EPA 525.2	0.6	3			
2016/17-1	Lab	LCS dup	11/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.3	µg/L	EPA 525.2	0.6	3			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	86	%	EPA 525.2	-88	-88	68	154	
2016/17-1	Lab	LCS, RPD	11/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.36	µg/L	EPA 525.2	0.6	3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	87	%	EPA 525.2	-88	-88	68	154	
2016/17-1	Lab	method blank	11/15/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	114	µg/L	EPA 625	2.3	5			EUM
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	456	%	EPA 625	-88	-88	8	158	EUM
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	143	%	EPA 625	-88	-88	0	30	IL
2016/17-1	Lab	LCS	11/15/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19	µg/L	EPA 625	2.3	5			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	76	%	EPA 625	-88	-88	8	158	
2016/17-1	Lab	method blank	12/3/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-1	Lab	LCS	12/3/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	8.1	µg/L	EPA 625	2.3	5			
2016/17-1	Lab	LCS, rec	12/3/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	81	%	EPA 625	-88	-88	8	158	
2016/17-1	Lab	LCS dup	12/3/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	15.6	µg/L	EPA 625	2.3	5			
2016/17-1	Lab	LCS dup, rec	12/3/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	156	%	EPA 625	-88	-88	8	158	
2016/17-1	Lab	LCS, RPD	12/3/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	63	%	EPA 625	-88	-88	0	30	IL
2016/17-1	Lab	method blank	11/15/2016	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Butyl benzyl phthalate	n/a	=	21.3	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Butyl benzyl phthalate	n/a	=	85	%	EPA 625	-88	-88	0.1	152	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Butyl benzyl phthalate	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Butyl benzyl phthalate	n/a	=	18.1	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Butyl benzyl phthalate	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2016/17-1	Lab	method blank	11/15/2016	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Chrysene	n/a	=	25.1	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Chrysene	n/a	=	100	%	EPA 625	-88	-88	17	168	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Chrysene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Chrysene	n/a	=	23.9	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Chrysene	n/a	=	96	%	EPA 625	-88	-88	17	168	
2016/17-1	Lab	method blank	11/30/2016	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Chrysene	n/a	=	9.31	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Chrysene	n/a	=	93	%	EPA 8270C	-88	-88	32	126	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Chrysene	n/a	=	8.63	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Chrysene	n/a	=	86	%	EPA 8270C	-88	-88	32	126	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Chrysene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Dibenz(a,h)anthracene	n/a	=	13.1	µg/L	EPA 625	0.08	2			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Dibenz(a,h)anthracene	n/a	=	52	%	EPA 625	-88	-88	0.1	227	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Dibenz(a,h)anthracene	n/a	=	12.6	µg/L	EPA 625	0.08	2			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Dibenz(a,h)anthracene	n/a	=	50	%	EPA 625	-88	-88	0.1	227	
2016/17-1	Lab	method blank	11/30/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	6.17	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	62	%	EPA 8270C	-88	-88	9	147	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	5.57	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	56	%	EPA 8270C	-88	-88	9	147	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Diethyl phthalate	n/a	=	22.7	µg/L	EPA 625	0.15	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Diethyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	114	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Diethyl phthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS	11/15/2016	Organic	Diethyl phthalate	n/a	=	22.9	µg/L	EPA 625	0.15	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Diethyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	114	
2016/17-1	Lab	method blank	11/15/2016	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Dimethyl phthalate	n/a	=	30.8	µg/L	EPA 625	0.18	1			EUM
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Dimethyl phthalate	n/a	=	123	%	EPA 625	-88	-88	0.1	112	EUM
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Dimethyl phthalate	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Dimethyl phthalate	n/a	=	27.3	µg/L	EPA 625	0.18	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Dimethyl phthalate	n/a	=	109	%	EPA 625	-88	-88	0.1	112	
2016/17-1	Lab	method blank	11/15/2016	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Di-n-butylphthalate	n/a	=	22.8	µg/L	EPA 625	0.24	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Di-n-butylphthalate	n/a	=	91	%	EPA 625	-88	-88	1	118	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Di-n-butylphthalate	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Di-n-butylphthalate	n/a	=	22.7	µg/L	EPA 625	0.24	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Di-n-butylphthalate	n/a	=	91	%	EPA 625	-88	-88	1	118	
2016/17-1	Lab	method blank	11/15/2016	Organic	Di-n-octylphthalate	n/a	DNQ	0.64	µg/L	EPA 625	0.19	1			IP
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Di-n-octylphthalate	n/a	=	23.3	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Di-n-octylphthalate	n/a	=	93	%	EPA 625	-88	-88	4	146	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Di-n-octylphthalate	n/a	=	20	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Di-n-octylphthalate	n/a	=	19.1	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Di-n-octylphthalate	n/a	=	76	%	EPA 625	-88	-88	4	146	
2016/17-1	Lab	method blank	11/15/2016	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Fluoranthene	n/a	=	21.4	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Fluoranthene	n/a	=	86	%	EPA 625	-88	-88	26	137	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Fluoranthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Fluoranthene	n/a	=	21.2	µg/L	EPA 625	0.22	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Fluoranthene	n/a	=	85	%	EPA 625	-88	-88	26	137	
2016/17-1	Lab	method blank	11/30/2016	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Fluoranthene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Fluoranthene	n/a	=	105	%	EPA 8270C	-88	-88	22	131	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Fluoranthene	n/a	=	9.22	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Fluoranthene	n/a	=	92	%	EPA 8270C	-88	-88	22	131	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Fluoranthene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Fluorene	n/a	=	22.6	µg/L	EPA 625	0.35	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Fluorene	n/a	=	90	%	EPA 625	-88	-88	59	121	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Fluorene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Fluorene	n/a	=	22.1	µg/L	EPA 625	0.35	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Fluorene	n/a	=	88	%	EPA 625	-88	-88	59	121	
2016/17-1	Lab	method blank	11/30/2016	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Fluorene	n/a	=	9.78	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Fluorene	n/a	=	98	%	EPA 8270C	-88	-88	19	122	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Fluorene	n/a	=	9.93	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Fluorene	n/a	=	99	%	EPA 8270C	-88	-88	19	122	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Fluorene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Hexachlorobenzene	n/a	=	20.4	µg/L	EPA 625	0.49	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Hexachlorobenzene	n/a	=	82	%	EPA 625	-88	-88	0.1	152	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Hexachlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Hexachlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.49	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Hexachlorobenzene	n/a	=	80	%	EPA 625	-88	-88	0.1	152	
2016/17-1	Lab	method blank	11/15/2016	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Hexachlorobutadiene	n/a	=	18.9	µg/L	EPA 625	0.47	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Hexachlorobutadiene	n/a	=	76	%	EPA 625	-88	-88	24	116	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Hexachlorobutadiene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Hexachlorobutadiene	n/a	=	18.6	µg/L	EPA 625	0.47	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Hexachlorobutadiene	n/a	=	74	%	EPA 625	-88	-88	24	116	
2016/17-1	Lab	method blank	11/15/2016	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Hexachlorocyclopentadiene	n/a	=	15	µg/L	EPA 625	1.5	5			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Hexachlorocyclopentadiene	n/a	=	60	%	EPA 625	-88	-88	0.1	81	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Hexachlorocyclopentadiene	n/a	=	30	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Hexachlorocyclopentadiene	n/a	=	11.1	µg/L	EPA 625	1.5	5			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Hexachlorocyclopentadiene	n/a	=	44	%	EPA 625	-88	-88	0.1	81	
2016/17-1	Lab	method blank	11/15/2016	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Hexachloroethane	n/a	=	20	µg/L	EPA 625	0.52	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Hexachloroethane	n/a	=	80	%	EPA 625	-88	-88	40	113	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Hexachloroethane	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Hexachloroethane	n/a	=	19	µg/L	EPA 625	0.52	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Hexachloroethane	n/a	=	76	%	EPA 625	-88	-88	40	113	
2016/17-1	Lab	method blank	11/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.5	µg/L	EPA 625	0.12	2			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	78	%	EPA 625	-88	-88	0.1	171	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.5	µg/L	EPA 625	0.12	2			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	74	%	EPA 625	-88	-88	0.1	171	
2016/17-1	Lab	method blank	11/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.11	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	91	%	EPA 8270C	-88	-88	12	136	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.32	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	83	%	EPA 8270C	-88	-88	12	136	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Isophorone	n/a	=	24.7	µg/L	EPA 625	0.21	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Isophorone	n/a	=	99	%	EPA 625	-88	-88	21	196	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Isophorone	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Isophorone	n/a	=	21	µg/L	EPA 625	0.21	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Isophorone	n/a	=	84	%	EPA 625	-88	-88	21	196	
2016/17-1	Lab	LCS dup	11/1/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	59	µg/L	EPA 624	0.25	1			
2016/17-1	Lab	LCS dup, rec	11/1/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	118	%	EPA 624	-88	-88	80	128	
2016/17-1	Lab	LCS, RPD	11/1/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-1	Lab	LCS	11/2/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	60.2	µg/L	EPA 624	0.25	1			
2016/17-1	Lab	LCS, rec	11/2/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	120	%	EPA 624	-88	-88	80	128	
2016/17-1	MO-VEN	field duplicate	11/2/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-1	Lab	method blank	11/15/2016	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Naphthalene	n/a	=	21.1	µg/L	EPA 625	0.49	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Naphthalene	n/a	=	84	%	EPA 625	-88	-88	21	133	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Naphthalene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Naphthalene	n/a	=	18.9	µg/L	EPA 625	0.49	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Naphthalene	n/a	=	75	%	EPA 625	-88	-88	21	133	
2016/17-1	Lab	method blank	11/30/2016	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Naphthalene	n/a	=	8.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Naphthalene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Naphthalene	n/a	=	8.17	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Naphthalene	n/a	=	82	%	EPA 8270C	-88	-88	12	136	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Naphthalene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Nitrobenzene	n/a	=	22.9	µg/L	EPA 625	0.36	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Nitrobenzene	n/a	=	92	%	EPA 625	-88	-88	35	180	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Nitrobenzene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Nitrobenzene	n/a	=	19.2	µg/L	EPA 625	0.36	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2016/17-1	Lab	srgt LCS dup	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2016/17-1	Lab	srgt method blank	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2016/17-1	Lab	srgt LCS	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	3.21	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2016/17-1	Lab	srgt LCS dup	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	2.87	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270C	-88	-88	51	143	
2016/17-1	Lab	srgt method blank	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	2.98	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625	-88	-88	27	111	
2016/17-1	Lab	srgt LCS	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	3.04	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 625	-88	-88	27	111	
2016/17-1	Lab	srgt LCS dup	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	2.75	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 625	-88	-88	27	111	
2016/17-1	ME-CC	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	34	%	EPA 625	-88	-88	27	111	
2016/17-1	ME-CC	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	3.05	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2016/17-1	ME-CC	srgt environ	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	3.28	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 625	-88	-88	27	111	
2016/17-1	ME-VR2	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2016/17-1	ME-VR2	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-FIL	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-FIL	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	2.63	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-FIL	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-MEI	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-MEI	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	2.7	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-MPK	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	15.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-MPK	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	3.49	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-OJA	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-OJA	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	1.99	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	40	%	EPA 8270C	-88	-88	51	143	GN
2016/17-1	MO-OJA	srgt environ	12/3/2016	Organic	Nitrobenzene-d5	n/a	<	0	µg/L	EPA 625	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	12/3/2016	Organic	Nitrobenzene-d5	n/a	=	0	%	EPA 625	-88	-88	27	111	GN
2016/17-1	MO-OXN	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	52	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-OXN	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-SIM	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-SIM	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	3.4	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-SPA	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-SPA	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	3.01	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 8270C	-88	-88	51	143	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	15.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2016/17-1	MO-THO	srgt environ	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	2.87	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/30/2016	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270C	-88	-88	51	143	
2016/17-1	Lab	method blank	11/15/2016	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	N-Nitrosodimethylamine	n/a	=	11.2	µg/L	EPA 625	0.14	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	N-Nitrosodimethylamine	n/a	=	45	%	EPA 625	-88	-88	15	59	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	N-Nitrosodimethylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	N-Nitrosodimethylamine	n/a	=	11.8	µg/L	EPA 625	0.14	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	N-Nitrosodimethylamine	n/a	=	47	%	EPA 625	-88	-88	15	59	
2016/17-1	Lab	method blank	11/15/2016	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.7	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	99	%	EPA 625	-88	-88	0.1	230	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	20	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.1	µg/L	EPA 625	0.26	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2016/17-1	Lab	method blank	11/15/2016	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19.6	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	N-Nitrosodiphenylamine	n/a	=	78	%	EPA 625	-88	-88	42	90	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	N-Nitrosodiphenylamine	n/a	=	0.8	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS	11/15/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19.4	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	N-Nitrosodiphenylamine	n/a	=	78	%	EPA 625	-88	-88	42	90	
2016/17-1	Lab	srqt method blank	11/11/2016	Organic	Perylene-d12	n/a	=	3.69	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srqt method blank, rec	11/11/2016	Organic	Perylene-d12	n/a	=	74	%	EPA 525.2	-88	-88	30	118	
2016/17-1	Lab	srqt LCS	11/11/2016	Organic	Perylene-d12	n/a	=	4.78	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srqt LCS, rec	11/11/2016	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	30	118	
2016/17-1	Lab	srqt LCS dup	11/11/2016	Organic	Perylene-d12	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srqt LCS dup, rec	11/11/2016	Organic	Perylene-d12	n/a	=	98	%	EPA 525.2	-88	-88	30	118	
2016/17-1	Lab	srqt method blank	11/14/2016	Organic	Perylene-d12	n/a	=	3.04	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srqt method blank, rec	11/14/2016	Organic	Perylene-d12	n/a	=	61	%	EPA 525.2	-88	-88	30	118	
2016/17-1	Lab	srqt LCS dup	11/14/2016	Organic	Perylene-d12	n/a	=	4.3	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srqt LCS dup, rec	11/14/2016	Organic	Perylene-d12	n/a	=	86	%	EPA 525.2	-88	-88	30	118	
2016/17-1	Lab	srqt LCS	11/14/2016	Organic	Perylene-d12	n/a	=	4.74	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srqt LCS, rec	11/14/2016	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	30	118	
2016/17-1	ME-CC	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.76	µg/L	EPA 525.2	-88	-88			
2016/17-1	ME-CC	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	35	%	EPA 525.2	-88	-88	30	118	
2016/17-1	ME-VR2	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	2.02	µg/L	EPA 525.2	-88	-88			
2016/17-1	ME-VR2	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	40	%	EPA 525.2	-88	-88	30	118	
2016/17-1	MO-FIL	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.22	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-FIL	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	24	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	MO-MEI	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.47	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-MEI	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	29	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	MO-MPK	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.36	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-MPK	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	27	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	MO-OJA	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.11	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-OJA	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	22	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	MO-OXN	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.68	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-OXN	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	34	%	EPA 525.2	-88	-88	30	118	
2016/17-1	MO-SIM	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.03	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-SIM	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	21	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	MO-SPA	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.09	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-SPA	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	22	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	MO-THO	srqt environ	11/11/2016	Organic	Perylene-d12	n/a	=	1.25	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-THO	srqt environ, rec	11/11/2016	Organic	Perylene-d12	n/a	=	25	%	EPA 525.2	-88	-88	30	118	GN
2016/17-1	Lab	method blank	11/15/2016	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Phenanthrene	n/a	=	23.4	µg/L	EPA 625	0.32	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Phenanthrene	n/a	=	93	%	EPA 625	-88	-88	54	120	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Phenanthrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Phenanthrene	n/a	=	23	µg/L	EPA 625	0.32	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Phenanthrene	n/a	=	92	%	EPA 625	-88	-88	54	120	
2016/17-1	Lab	method blank	11/30/2016	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Phenanthrene	n/a	=	9.62	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Phenanthrene	n/a	=	96	%	EPA 8270C	-88	-88	21	131	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Phenanthrene	n/a	=	8.95	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Phenanthrene	n/a	=	89	%	EPA 8270C	-88	-88	21	131	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Phenanthrene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	method blank	11/15/2016	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Phenol	n/a	=	9.3	µg/L	EPA 625	0.16	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Phenol	n/a	=	37	%	EPA 625	-88	-88	5	112	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Phenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Phenol	n/a	=	8.71	µg/L	EPA 625	0.16	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Phenol	n/a	=	35	%	EPA 625	-88	-88	5	112	
2016/17-1	Lab	method blank	11/30/2016	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Phenol	n/a	=	3.12	µg/L	EPA 8270C	0.35	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Phenol	n/a	=	31	%	EPA 8270C	-88	-88	6	43	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Phenol	n/a	=	2.8	µg/L	EPA 8270C	0.35	1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Phenol	n/a	=	28	%	EPA 8270C	-88	-88	6	43	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Phenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	Phenol-d5	n/a	=	16.5	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2016/17-1	Lab	srgt LCS dup	11/15/2016	Organic	Phenol-d5	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/15/2016	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-1	Lab	srgt method blank	11/30/2016	Organic	Phenol-d5	n/a	=	2.67	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/30/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-1	Lab	srgt LCS	11/30/2016	Organic	Phenol-d5	n/a	=	3.05	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/30/2016	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2016/17-1	Lab	srgt LCS dup	11/30/2016	Organic	Phenol-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/30/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-1	Lab	srgt method blank	12/3/2016	Organic	Phenol-d5	n/a	=	2.2	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	12/3/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-1	Lab	srgt LCS	12/3/2016	Organic	Phenol-d5	n/a	=	2.18	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	12/3/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-1	Lab	srgt LCS dup	12/3/2016	Organic	Phenol-d5	n/a	=	1.83	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	12/3/2016	Organic	Phenol-d5	n/a	=	18	%	EPA 625	-88	-88	0.1	53	
2016/17-1	ME-CC	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-1	ME-CC	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	=	2.28	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2016/17-1	ME-CC	srgt environ	12/3/2016	Organic	Phenol-d5	n/a	=	1.75	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/3/2016	Organic	Phenol-d5	n/a	=	18	%	EPA 625	-88	-88	0.1	53	
2016/17-1	ME-VR2	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-1	ME-VR2	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	=	2.24	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2016/17-1	MO-FIL	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	12.4	µg/L	EPA 625	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-FIL	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-FIL	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2016/17-1	MO-MEI	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-MEI	srgt environ	11/30/2016	Organic	Phenol-d5	n/a	=	0.4	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-MEI	srgt environ, rec	11/30/2016	Organic	Phenol-d5	n/a	=	4	%	EPA 8270C	-88	-88	5	46	GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-MPK	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	7.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	15	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-MPK	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-1	MO-MPK	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2016/17-1	MO-OJA	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-OJA	srgt environ	11/30/2016	Organic	Phenol-d5	n/a	=	1	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/30/2016	Organic	Phenol-d5	n/a	=	10	%	EPA 8270C	-88	-88	5	46	
2016/17-1	MO-OJA	srgt environ	12/3/2016	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 625	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	12/3/2016	Organic	Phenol-d5	n/a	=	0	%	EPA 625	-88	-88	0.1	53	GN
2016/17-1	MO-OXN	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	7.1	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	14	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-OXN	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	=	0.5	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	5	%	EPA 8270C	-88	-88	5	46	
2016/17-1	MO-SIM	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	11	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-SIM	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	=	1.8	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2016/17-1	MO-SPA	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-SPA	srgt environ	11/30/2016	Organic	Phenol-d5	n/a	=	0.5	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/30/2016	Organic	Phenol-d5	n/a	=	5	%	EPA 8270C	-88	-88	5	46	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	Phenol-d5	n/a	=	11.2	µg/L	EPA 625	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-1	MO-THO	srgt environ	12/1/2016	Organic	Phenol-d5	n/a	=	0.5	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	12/1/2016	Organic	Phenol-d5	n/a	=	5	%	EPA 8270C	-88	-88	5	46	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	13	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	52	%	EPA 625	-88	-88	28	113	
2016/17-1	Lab	srgt LCS dup	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	15.6	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 625	-88	-88	28	113	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 625	-88	-88	28	113	
2016/17-1	Lab	srgt method blank	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.24	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 8270C	-88	-88	19	134	
2016/17-1	Lab	srgt LCS	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.37	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	47	%	EPA 8270C	-88	-88	19	134	
2016/17-1	Lab	srgt LCS dup	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.17	µg/L	EPA 8270C	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	43	%	EPA 8270C	-88	-88	19	134	
2016/17-1	Lab	srgt method blank	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	1.93	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt method blank, rec	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	39	%	EPA 625	-88	-88	28	113	
2016/17-1	Lab	srgt LCS	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	1.78	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS, rec	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	36	%	EPA 625	-88	-88	28	113	
2016/17-1	Lab	srgt LCS dup	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	1.76	µg/L	EPA 625	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	35	%	EPA 625	-88	-88	28	113	
2016/17-1	ME-CC	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	28.8	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	58	%	EPA 625	-88	-88	28	113	
2016/17-1	ME-CC	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.06	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	ME-CC	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	41	%	EPA 8270C	-88	-88	19	134	
2016/17-1	ME-CC	srgt environ	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	1.99	µg/L	EPA 625	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	40	%	EPA 625	-88	-88	28	113	
2016/17-1	ME-VR2	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	37.9	µg/L	EPA 625	-88	-88			GN
2016/17-1	ME-VR2	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	152	%	EPA 625	-88	-88	28	113	GN
2016/17-1	ME-VR2	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.24	µg/L	EPA 8270C	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-FIL	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-FIL	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.26	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-MEI	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-MEI	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.4	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	48	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-MPK	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	22.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-MPK	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-OJA	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-OJA	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.04	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	41	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-OJA	srgt environ	12/3/2016	Organic	p-Terphenyl-d14	n/a	<	0	µg/L	EPA 625	-88	-88			GN
2016/17-1	MO-OJA	srgt environ, rec	12/3/2016	Organic	p-Terphenyl-d14	n/a	=	0	%	EPA 625	-88	-88	28	113	GN
2016/17-1	MO-OXN	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	22.6	µg/L	EPA 625	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-OXN	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.23	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-SIM	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-SIM	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.27	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-SPA	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	22	µg/L	EPA 625	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-SPA	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.44	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	49	%	EPA 8270C	-88	-88	19	134	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	7.4	µg/L	EPA 625	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	p-Terphenyl-d14	n/a	=	30	%	EPA 625	-88	-88	28	113	
2016/17-1	MO-THO	srgt environ	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	2.38	µg/L	EPA 8270C	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/30/2016	Organic	p-Terphenyl-d14	n/a	=	48	%	EPA 8270C	-88	-88	19	134	
2016/17-1	Lab	method blank	11/15/2016	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	LCS dup	11/15/2016	Organic	Pyrene	n/a	=	20.8	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Organic	Pyrene	n/a	=	83	%	EPA 625	-88	-88	52	115	
2016/17-1	Lab	LCS, RPD	11/15/2016	Organic	Pyrene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Organic	Pyrene	n/a	=	20.6	µg/L	EPA 625	0.25	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/30/2016	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS	11/30/2016	Organic	Pyrene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS, rec	11/30/2016	Organic	Pyrene	n/a	=	106	%	EPA 8270C	-88	-88	26	128	
2016/17-1	Lab	LCS dup	11/30/2016	Organic	Pyrene	n/a	=	9.33	µg/L	EPA 8270C	0.1	0.1			
2016/17-1	Lab	LCS dup, rec	11/30/2016	Organic	Pyrene	n/a	=	93	%	EPA 8270C	-88	-88	26	128	
2016/17-1	Lab	LCS, RPD	11/30/2016	Organic	Pyrene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-1	Lab	srgt method blank	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0628	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	63	%	EPA 608	-88	-88	12	117	
2016/17-1	Lab	srgt LCS	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0787	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	79	%	EPA 608	-88	-88	12	117	
2016/17-1	Lab	srgt LCS dup	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0759	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608	-88	-88	12	117	
2016/17-1	Lab	srgt method blank	11/11/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0567	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/11/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2016/17-1	Lab	srgt LCS	11/11/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0613	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/11/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2016/17-1	Lab	srgt LCS dup	11/11/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0578	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/11/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	12	117	
2016/17-1	ME-CC	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0526	µg/L	EPA 608	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	53	%	EPA 608	-88	-88	12	117	
2016/17-1	ME-VR2	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0669	µg/L	EPA 608	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-FIL	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0451	µg/L	EPA 608	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-MEI	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0394	µg/L	EPA 608	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	39	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-MPK	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0441	µg/L	EPA 608	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	44	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-OJA	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0328	µg/L	EPA 608	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	33	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-OXN	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0456	µg/L	EPA 608	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-SIM	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0303	µg/L	EPA 608	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	30	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-SPA	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0514	µg/L	EPA 608	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	51	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-THO	srgt environ	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0643	µg/L	EPA 608	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/9/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608	-88	-88	12	117	
2016/17-1	MO-VEN	srgt environ	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.037	µg/L	EPA 608	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/12/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	37	%	EPA 608	-88	-88	12	117	
2016/17-1	000NONPJ	srgt matrix spike	11/2/2016	Organic	Toluene-d8	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/2/2016	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2016/17-1	000NONPJ	srgt matrix spike dup	11/2/2016	Organic	Toluene-d8	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/2/2016	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2016/17-1	Lab	srgt LCS dup	11/1/2016	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/1/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-1	Lab	srgt LCS	11/2/2016	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	srgt LCS, rec	11/2/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-1	ME-CC	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-1	ME-VR2	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-FIL	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-MEI	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-MPK	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-OJA	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-OXN	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-SIM	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-SPA	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-THO	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-VEN	srgt environ	11/2/2016	Organic	Toluene-d8	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/2/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-1	MO-VEN	srgt field duplicate	11/2/2016	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-1	MO-VEN	srgt field duplicate, rec	11/2/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-1	000NONPJ	srgt matrix spike	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.606	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	000NONPJ	srgt matrix spike dup	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.549	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	000NONPJ	srgt matrix spike	11/15/2016	Organic	Triphenylphosphate	n/a	=	0.427	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike, rec	11/15/2016	Organic	Triphenylphosphate	n/a	=	85	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	000NONPJ	srgt matrix spike dup	11/15/2016	Organic	Triphenylphosphate	n/a	=	0.399	µg/L	EPA 525.2m	-88	-88			
2016/17-1	000NONPJ	srgt matrix spike dup, rec	11/15/2016	Organic	Triphenylphosphate	n/a	=	80	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	Lab	srgt method blank	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.553	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	Lab	srgt LCS	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.525	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	Lab	srgt method blank	11/11/2016	Organic	Triphenylphosphate	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	149	
2016/17-1	Lab	srgt LCS	11/11/2016	Organic	Triphenylphosphate	n/a	=	4.84	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	149	
2016/17-1	Lab	srgt LCS dup	11/11/2016	Organic	Triphenylphosphate	n/a	=	5.41	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	149	
2016/17-1	Lab	srgt method blank	11/14/2016	Organic	Triphenylphosphate	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/14/2016	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	149	
2016/17-1	Lab	srgt LCS dup	11/14/2016	Organic	Triphenylphosphate	n/a	=	4.13	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/14/2016	Organic	Triphenylphosphate	n/a	=	83	%	EPA 525.2	-88	-88	70	149	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	srgt LCS	11/14/2016	Organic	Triphenylphosphate	n/a	=	4.42	µg/L	EPA 525.2	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/14/2016	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2	-88	-88	70	149	
2016/17-1	Lab	srgt method blank	11/15/2016	Organic	Triphenylphosphate	n/a	=	0.432	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/15/2016	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	Lab	srgt LCS	11/15/2016	Organic	Triphenylphosphate	n/a	=	0.439	µg/L	EPA 525.2m	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/15/2016	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	ME-CC	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.452	µg/L	EPA 525.2m	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	ME-CC	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	4.32	µg/L	EPA 525.2	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2	-88	-88	70	149	
2016/17-1	ME-VR2	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.467	µg/L	EPA 525.2m	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	ME-VR2	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	4.12	µg/L	EPA 525.2	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2	-88	-88	70	149	
2016/17-1	MO-FIL	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.44	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-FIL	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	4.34	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2	-88	-88	70	149	
2016/17-1	MO-MEI	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.445	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-MEI	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	2.24	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-MEI	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	45	%	EPA 525.2	-88	-88	70	149	GN
2016/17-1	MO-MPK	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.446	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-MPK	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	3.77	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	75	%	EPA 525.2	-88	-88	70	149	
2016/17-1	MO-OJA	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.378	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	76	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-OJA	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	3.72	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	74	%	EPA 525.2	-88	-88	70	149	
2016/17-1	MO-OXN	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.33	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	66	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-OXN	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	2.01	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-OXN	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	40	%	EPA 525.2	-88	-88	70	149	GN
2016/17-1	MO-SIM	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.401	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	80	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-SIM	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	3.12	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-SIM	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	62	%	EPA 525.2	-88	-88	70	149	GN
2016/17-1	MO-SPA	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.469	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	94	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-SPA	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	2.74	µg/L	EPA 525.2	-88	-88			GN
2016/17-1	MO-SPA	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	55	%	EPA 525.2	-88	-88	70	149	GN
2016/17-1	MO-THO	srgt environ	11/11/2016	Organic	Triphenylphosphate	n/a	=	4.97	µg/L	EPA 525.2	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/11/2016	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2	-88	-88	70	149	
2016/17-1	MO-THO	srgt environ	11/15/2016	Organic	Triphenylphosphate	n/a	=	0.46	µg/L	EPA 525.2m	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/15/2016	Organic	Triphenylphosphate	n/a	=	92	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	MO-VEN	srgt environ	11/8/2016	Organic	Triphenylphosphate	n/a	=	0.394	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	MO-VEN	srgt environ, rec	11/8/2016	Organic	Triphenylphosphate	n/a	=	79	%	EPA 525.2m	-88	-88	40	163	
2016/17-1	Lab	srgt method blank	11/9/2016	PCB	PCB 209	n/a	=	0.0692	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/9/2016	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2016/17-1	Lab	srgt LCS	11/9/2016	PCB	PCB 209	n/a	=	0.0732	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/9/2016	PCB	PCB 209	n/a	=	73	%	EPA 608	-88	-88	0.1	118	
2016/17-1	Lab	srgt LCS dup	11/9/2016	PCB	PCB 209	n/a	=	0.0587	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/9/2016	PCB	PCB 209	n/a	=	59	%	EPA 608	-88	-88	0.1	118	
2016/17-1	Lab	srgt method blank	11/11/2016	PCB	PCB 209	n/a	=	0.0696	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt method blank, rec	11/11/2016	PCB	PCB 209	n/a	=	70	%	EPA 608	-88	-88	0.1	118	
2016/17-1	Lab	srgt LCS	11/11/2016	PCB	PCB 209	n/a	=	0.0694	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS, rec	11/11/2016	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2016/17-1	Lab	srgt LCS dup	11/11/2016	PCB	PCB 209	n/a	=	0.0571	µg/L	EPA 608	-88	-88			
2016/17-1	Lab	srgt LCS dup, rec	11/11/2016	PCB	PCB 209	n/a	=	57	%	EPA 608	-88	-88	0.1	118	
2016/17-1	ME-CC	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0401	µg/L	EPA 608	-88	-88			
2016/17-1	ME-CC	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	40	%	EPA 608	-88	-88	0.1	118	
2016/17-1	ME-VR2	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.056	µg/L	EPA 608	-88	-88			
2016/17-1	ME-VR2	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	56	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-FIL	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0336	µg/L	EPA 608	-88	-88			
2016/17-1	MO-FIL	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	34	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-MEI	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0202	µg/L	EPA 608	-88	-88			
2016/17-1	MO-MEI	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	20	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-MPK	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0252	µg/L	EPA 608	-88	-88			
2016/17-1	MO-MPK	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	25	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-OJA	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.015	µg/L	EPA 608	-88	-88			
2016/17-1	MO-OJA	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	15	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-OXN	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0181	µg/L	EPA 608	-88	-88			
2016/17-1	MO-OXN	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	18	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-SIM	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0351	µg/L	EPA 608	-88	-88			
2016/17-1	MO-SIM	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	35	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-SPA	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.0262	µg/L	EPA 608	-88	-88			
2016/17-1	MO-SPA	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	26	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-THO	srgt environ	11/9/2016	PCB	PCB 209	n/a	=	0.0545	µg/L	EPA 608	-88	-88			
2016/17-1	MO-THO	srgt environ, rec	11/9/2016	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	0.1	118	
2016/17-1	MO-VEN	srgt environ	11/12/2016	PCB	PCB 209	n/a	=	0.022	µg/L	EPA 608	-88	-88			
2016/17-1	MO-VEN	srgt environ, rec	11/12/2016	PCB	PCB 209	n/a	=	22	%	EPA 608	-88	-88	0.1	118	
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/9/2016	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-1	Lab	method blank	11/11/2016	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4,5-T	n/a	=	3.97	µg/L	EPA 515.3	0.07	0.2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4,5-T	n/a	=	3.94	µg/L	EPA 515.3	0.07	0.2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4,5-T	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4,5-T	n/a	=	3.95	µg/L	EPA 515.3	0.07	0.2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4,5-T	n/a	=	3.92	µg/L	EPA 515.3	0.07	0.2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4,5-T	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	2,4,5-T	n/a	=	3.87	µg/L	EPA 515.3	0.07	0.2			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	2,4,5-T	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4,5-TP	n/a	=	3.99	µg/L	EPA 515.3	0.09	0.2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4,5-TP	n/a	=	3.98	µg/L	EPA 515.3	0.09	0.2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4,5-TP	n/a	=	0.05	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4,5-TP	n/a	=	3.87	µg/L	EPA 515.3	0.09	0.2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4,5-TP	n/a	=	4.05	µg/L	EPA 515.3	0.09	0.2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4,5-TP	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4,5-TP	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	2,4,5-TP	n/a	=	3.94	µg/L	EPA 515.3	0.09	0.2			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	2,4,5-TP	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4-D	n/a	=	7.99	µg/L	EPA 515.3	0.07	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4-D	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4-D	n/a	=	8.04	µg/L	EPA 515.3	0.07	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4-D	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4-D	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4-D	n/a	=	7.74	µg/L	EPA 515.3	0.07	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4-D	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4-D	n/a	=	8.4	µg/L	EPA 515.3	0.07	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4-D	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4-D	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	2,4-D	n/a	=	7.78	µg/L	EPA 515.3	0.07	0.4			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	2,4-D	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4-DB	n/a	=	13.7	µg/L	EPA 515.3	0.07	2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4-DB	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4-DB	n/a	=	14.7	µg/L	EPA 515.3	0.07	2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4-DB	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4-DB	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	2,4-DB	n/a	=	13.4	µg/L	EPA 515.3	0.07	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	2,4-DB	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	2,4-DB	n/a	=	14.5	µg/L	EPA 515.3	0.07	2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	2,4-DB	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	2,4-DB	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	2,4-DB	n/a	=	13.3	µg/L	EPA 515.3	0.07	2			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	2,4-DB	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.2	µg/L	EPA 515.3	0.09	1			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.99	µg/L	EPA 515.3	0.09	1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.1	µg/L	EPA 515.3	0.09	1			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.9	µg/L	EPA 515.3	0.09	1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.22	µg/L	EPA 515.3	0.09	1			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	4,4'-DDD	n/a	=	0.084	µg/L	EPA 608	0.003	0.05			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	4,4'-DDD	n/a	=	84	%	EPA 608	-88	-88	42	133	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	4,4'-DDD	n/a	=	0.0852	µg/L	EPA 608	0.003	0.05			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	4,4'-DDD	n/a	=	85	%	EPA 608	-88	-88	42	133	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	4,4'-DDD	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	4,4'-DDD	n/a	=	0.0841	µg/L	EPA 608	0.003	0.05			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	4,4'-DDD	n/a	=	84	%	EPA 608	-88	-88	42	133	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	4,4'-DDD	n/a	=	0.0789	µg/L	EPA 608	0.003	0.05			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	4,4'-DDD	n/a	=	79	%	EPA 608	-88	-88	42	133	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	4,4'-DDD	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	4,4'-DDE	n/a	=	0.0724	µg/L	EPA 608	0.0025	0.05			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	4,4'-DDE	n/a	=	72	%	EPA 608	-88	-88	33	126	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	4,4'-DDE	n/a	=	0.0721	µg/L	EPA 608	0.0025	0.05			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	4,4'-DDE	n/a	=	72	%	EPA 608	-88	-88	33	126	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	4,4'-DDE	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	4,4'-DDE	n/a	=	0.0694	µg/L	EPA 608	0.0025	0.05			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	4,4'-DDE	n/a	=	69	%	EPA 608	-88	-88	33	126	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	4,4'-DDE	n/a	=	0.0604	µg/L	EPA 608	0.0025	0.05			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	4,4'-DDE	n/a	=	60	%	EPA 608	-88	-88	33	126	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	4,4'-DDE	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	4,4'-DDT	n/a	=	0.0926	µg/L	EPA 608	0.0031	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	4,4'-DDT	n/a	=	93	%	EPA 608	-88	-88	35	147	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	4,4'-DDT	n/a	=	0.087	µg/L	EPA 608	0.0031	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	4,4'-DDT	n/a	=	87	%	EPA 608	-88	-88	35	147	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	4,4'-DDT	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	4,4'-DDT	n/a	=	0.0828	µg/L	EPA 608	0.0031	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	4,4'-DDT	n/a	=	83	%	EPA 608	-88	-88	35	147	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	4,4'-DDT	n/a	=	0.079	µg/L	EPA 608	0.0031	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	4,4'-DDT	n/a	=	79	%	EPA 608	-88	-88	35	147	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	4,4'-DDT	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Acifluorfen	n/a	=	4.25	µg/L	EPA 515.3	0.06	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Acifluorfen	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Acifluorfen	n/a	=	4.37	µg/L	EPA 515.3	0.06	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Acifluorfen	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Acifluorfen	n/a	=	4.2	µg/L	EPA 515.3	0.06	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Acifluorfen	n/a	=	4.34	µg/L	EPA 515.3	0.06	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Acifluorfen	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Acifluorfen	n/a	=	4.15	µg/L	EPA 515.3	0.06	0.4			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Alachlor	n/a	=	6.44	µg/L	EPA 525.2	0.022	0.1			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Alachlor	n/a	=	129	%	EPA 525.2	-88	-88	55	124	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Alachlor	n/a	=	6.58	µg/L	EPA 525.2	0.022	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Alachlor	n/a	=	132	%	EPA 525.2	-88	-88	55	124	EUM
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Alachlor	n/a	=	8.13	µg/L	EPA 525.2	0.022	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Alachlor	n/a	=	163	%	EPA 525.2	-88	-88	55	124	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Alachlor	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Alachlor	n/a	=	7.22	µg/L	EPA 525.2	0.022	0.1			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Alachlor	n/a	=	144	%	EPA 525.2	-88	-88	55	124	EUM
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Aldrin	n/a	=	0.0659	µg/L	EPA 608	0.0015	0.005			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Aldrin	n/a	=	66	%	EPA 608	-88	-88	18	117	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Aldrin	n/a	=	0.0533	µg/L	EPA 608	0.0015	0.005			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Aldrin	n/a	=	53	%	EPA 608	-88	-88	18	117	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Aldrin	n/a	=	21	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Aldrin	n/a	=	0.0535	µg/L	EPA 608	0.0015	0.005			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Aldrin	n/a	=	54	%	EPA 608	-88	-88	18	117	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Aldrin	n/a	=	0.0462	µg/L	EPA 608	0.0015	0.005			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Aldrin	n/a	=	46	%	EPA 608	-88	-88	18	117	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Aldrin	n/a	=	15	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS	11/9/2016	Pesticide	alpha-BHC	n/a	=	0.0785	µg/L	EPA 608	0.0018	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	alpha-BHC	n/a	=	79	%	EPA 608	-88	-88	47	119	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	alpha-BHC	n/a	=	0.0713	µg/L	EPA 608	0.0018	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	alpha-BHC	n/a	=	71	%	EPA 608	-88	-88	47	119	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	alpha-BHC	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	alpha-BHC	n/a	=	0.0694	µg/L	EPA 608	0.0018	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	alpha-BHC	n/a	=	69	%	EPA 608	-88	-88	47	119	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	alpha-BHC	n/a	=	0.0619	µg/L	EPA 608	0.0018	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	alpha-BHC	n/a	=	62	%	EPA 608	-88	-88	47	119	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	alpha-BHC	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Atrazine	n/a	=	6.09	µg/L	EPA 525.2	0.034	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Atrazine	n/a	=	122	%	EPA 525.2	-88	-88	67	131	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Atrazine	n/a	=	6.03	µg/L	EPA 525.2	0.034	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Atrazine	n/a	=	121	%	EPA 525.2	-88	-88	67	131	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Atrazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Atrazine	n/a	=	5.49	µg/L	EPA 525.2	0.034	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Atrazine	n/a	=	110	%	EPA 525.2	-88	-88	67	131	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Atrazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Atrazine	n/a	=	5.74	µg/L	EPA 525.2	0.034	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Atrazine	n/a	=	115	%	EPA 525.2	-88	-88	67	131	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Azinphos methyl	n/a	=	0.0532	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Azinphos methyl	n/a	=	106	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Azinphos methyl	n/a	=	0.0463	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Azinphos methyl	n/a	=	93	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Azinphos methyl	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Azinphos methyl	n/a	=	0.0343	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Azinphos methyl	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Azinphos methyl	n/a	=	0.036	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Azinphos methyl	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Azinphos methyl	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Azinphos methyl	n/a	=	0.0393	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Azinphos methyl	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Azinphos methyl	n/a	=	0.0346	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Azinphos methyl	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Bentazon	n/a	=	15.9	µg/L	EPA 515.3	0.11	2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Bentazon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Bentazon	n/a	=	16	µg/L	EPA 515.3	0.11	2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Bentazon	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Bentazon	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Bentazon	n/a	=	16	µg/L	EPA 515.3	0.11	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Bentazon	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Bentazon	n/a	=	17	µg/L	EPA 515.3	0.11	2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Bentazon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Bentazon	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Bentazon	n/a	=	15.8	µg/L	EPA 515.3	0.11	2			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Bentazon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	beta-BHC	n/a	=	0.0835	µg/L	EPA 608	0.0031	0.005			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	beta-BHC	n/a	=	84	%	EPA 608	-88	-88	53	123	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	beta-BHC	n/a	=	0.0744	µg/L	EPA 608	0.0031	0.005			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	beta-BHC	n/a	=	74	%	EPA 608	-88	-88	53	123	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	beta-BHC	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	beta-BHC	n/a	=	0.0744	µg/L	EPA 608	0.0031	0.005			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	beta-BHC	n/a	=	74	%	EPA 608	-88	-88	53	123	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	beta-BHC	n/a	=	0.0689	µg/L	EPA 608	0.0031	0.005			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	beta-BHC	n/a	=	69	%	EPA 608	-88	-88	53	123	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	beta-BHC	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Bolstar	n/a	=	0.0619	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Bolstar	n/a	=	124	%	EPA 525.2m	-88	-88	4	184	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Bolstar	n/a	=	0.0567	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Bolstar	n/a	=	113	%	EPA 525.2m	-88	-88	4	184	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Bolstar	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Bolstar	n/a	=	0.0484	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Bolstar	n/a	=	97	%	EPA 525.2m	-88	-88	4	184	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Bolstar	n/a	=	0.0468	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Bolstar	n/a	=	94	%	EPA 525.2m	-88	-88	4	184	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Bolstar	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Bolstar	n/a	=	0.0493	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Bolstar	n/a	=	99	%	EPA 525.2m	-88	-88	11	166	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Bolstar	n/a	=	0.0321	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Bolstar	n/a	=	64	%	EPA 525.2m	-88	-88	11	166	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Bromacil	n/a	=	6.02	µg/L	EPA 525.2	0.038	1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Bromacil	n/a	=	120	%	EPA 525.2	-88	-88	62	139	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Bromacil	n/a	=	6.04	µg/L	EPA 525.2	0.038	1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Bromacil	n/a	=	121	%	EPA 525.2	-88	-88	62	139	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Bromacil	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Bromacil	n/a	=	6.29	µg/L	EPA 525.2	0.038	1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Bromacil	n/a	=	126	%	EPA 525.2	-88	-88	62	139	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Bromacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Bromacil	n/a	=	6.07	µg/L	EPA 525.2	0.038	1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Bromacil	n/a	=	121	%	EPA 525.2	-88	-88	62	139	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Butachlor	n/a	=	6.71	µg/L	EPA 525.2	0.017	0.2			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Butachlor	n/a	=	134	%	EPA 525.2	-88	-88	61	127	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Butachlor	n/a	=	6.34	µg/L	EPA 525.2	0.017	0.2			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Butachlor	n/a	=	127	%	EPA 525.2	-88	-88	61	127	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Butachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Butachlor	n/a	=	7.73	µg/L	EPA 525.2	0.017	0.2			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Butachlor	n/a	=	155	%	EPA 525.2	-88	-88	61	127	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Butachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Butachlor	n/a	=	7.42	µg/L	EPA 525.2	0.017	0.2			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Butachlor	n/a	=	148	%	EPA 525.2	-88	-88	61	127	EUM
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Captan	n/a	=	4.93	µg/L	EPA 525.2	0.86	1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Captan	n/a	=	99	%	EPA 525.2	-88	-88	14	159	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Captan	n/a	=	5.14	µg/L	EPA 525.2	0.86	1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Captan	n/a	=	103	%	EPA 525.2	-88	-88	14	159	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Captan	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Captan	n/a	=	4.65	µg/L	EPA 525.2	0.86	1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Captan	n/a	=	93	%	EPA 525.2	-88	-88	14	159	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Captan	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Captan	n/a	=	4.77	µg/L	EPA 525.2	0.86	1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Captan	n/a	=	95	%	EPA 525.2	-88	-88	14	159	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Chloroprotham	n/a	=	6.83	µg/L	EPA 525.2	0.01	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Chloroprotham	n/a	=	137	%	EPA 525.2	-88	-88	77	143	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Chloroprotham	n/a	=	6.75	µg/L	EPA 525.2	0.01	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Chloroprotham	n/a	=	135	%	EPA 525.2	-88	-88	77	143	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Chloroprotham	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Chloroprotham	n/a	=	6.32	µg/L	EPA 525.2	0.01	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Chloroprotham	n/a	=	126	%	EPA 525.2	-88	-88	77	143	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Chloroprotham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Chloroprotham	n/a	=	6.58	µg/L	EPA 525.2	0.01	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Chloroprotham	n/a	=	132	%	EPA 525.2	-88	-88	77	143	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	0.0662	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	132	%	EPA 525.2m	-88	-88	37	168	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	0.0638	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	128	%	EPA 525.2m	-88	-88	37	168	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	0.0673	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	135	%	EPA 525.2m	-88	-88	37	168	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	0.0655	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	131	%	EPA 525.2m	-88	-88	37	168	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	0.054	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Chlorpyrifos	n/a	=	108	%	EPA 525.2m	-88	-88	37	169	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	0.057	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Chlorpyrifos	n/a	=	114	%	EPA 525.2m	-88	-88	37	169	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Coumaphos	n/a	=	0.0708	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Coumaphos	n/a	=	142	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Coumaphos	n/a	=	0.0642	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Coumaphos	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Coumaphos	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Coumaphos	n/a	=	0.0408	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Coumaphos	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Coumaphos	n/a	=	0.0405	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Coumaphos	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Coumaphos	n/a	=	0.8	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Coumaphos	n/a	=	0.0547	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Coumaphos	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Coumaphos	n/a	=	0.0412	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Coumaphos	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Cyanazine	n/a	=	4.59	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Cyanazine	n/a	=	92	%	EPA 525.2	-88	-88	61	129	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Cyanazine	n/a	=	5.22	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Cyanazine	n/a	=	104	%	EPA 525.2	-88	-88	61	129	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Cyanazine	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Cyanazine	n/a	=	4.06	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Cyanazine	n/a	=	81	%	EPA 525.2	-88	-88	61	129	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Cyanazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Cyanazine	n/a	=	4.16	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Cyanazine	n/a	=	83	%	EPA 525.2	-88	-88	61	129	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dalapon	n/a	=	7.59	µg/L	EPA 515.3	0.1	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dalapon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dalapon	n/a	=	7.76	µg/L	EPA 515.3	0.1	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dalapon	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dalapon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dalapon	n/a	=	7.72	µg/L	EPA 515.3	0.1	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dalapon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dalapon	n/a	=	7.74	µg/L	EPA 515.3	0.1	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dalapon	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dalapon	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Dalapon	n/a	=	7.61	µg/L	EPA 515.3	0.1	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Dalapon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.75	µg/L	EPA 515.3	0.07	0.1			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.8	µg/L	EPA 515.3	0.07	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.78	µg/L	EPA 515.3	0.07	0.1			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.82	µg/L	EPA 515.3	0.07	0.1			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.73	µg/L	EPA 515.3	0.07	0.1			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	delta-BHC	n/a	=	0.0953	µg/L	EPA 608	0.0025	0.005			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	delta-BHC	n/a	=	95	%	EPA 608	-88	-88	51	123	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	delta-BHC	n/a	=	0.0819	µg/L	EPA 608	0.0025	0.005			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	delta-BHC	n/a	=	82	%	EPA 608	-88	-88	51	123	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	delta-BHC	n/a	=	15	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	delta-BHC	n/a	=	0.0811	µg/L	EPA 608	0.0025	0.005			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	delta-BHC	n/a	=	81	%	EPA 608	-88	-88	51	123	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	delta-BHC	n/a	=	0.074	µg/L	EPA 608	0.0025	0.005			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	delta-BHC	n/a	=	74	%	EPA 608	-88	-88	51	123	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	delta-BHC	n/a	=	9	%	EPA 608	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Demeton-O	n/a	=	0.0468	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Demeton-O	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Demeton-O	n/a	=	0.0424	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Demeton-O	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Demeton-O	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Demeton-O	n/a	=	0.0362	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Demeton-O	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Demeton-O	n/a	=	0.0432	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Demeton-O	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Demeton-O	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Demeton-O	n/a	=	0.0353	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Demeton-O	n/a	=	71	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Demeton-O	n/a	DNQ	0.0092	µg/L	EPA 525.2m	0	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Demeton-O	n/a	=	18	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Demeton-S	n/a	=	0.0647	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Demeton-S	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Demeton-S	n/a	=	0.0633	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Demeton-S	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Demeton-S	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Demeton-S	n/a	=	0.0584	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Demeton-S	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Demeton-S	n/a	=	0.0637	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Demeton-S	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Demeton-S	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Demeton-S	n/a	=	0.0526	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Demeton-S	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Demeton-S	n/a	=	0.0434	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Demeton-S	n/a	=	87	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Diazinon	n/a	=	0.0465	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2m	-88	-88	36	153	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Diazinon	n/a	=	0.0464	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2m	-88	-88	36	153	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Diazinon	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Diazinon	n/a	=	0.0545	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Diazinon	n/a	=	109	%	EPA 525.2m	-88	-88	36	153	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Diazinon	n/a	=	0.0533	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Diazinon	n/a	=	107	%	EPA 525.2m	-88	-88	36	153	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Diazinon	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Diazinon	n/a	=	0.0379	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Diazinon	n/a	=	76	%	EPA 525.2m	-88	-88	43	152	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Diazinon	n/a	=	5.57	µg/L	EPA 525.2	0.096	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Diazinon	n/a	=	111	%	EPA 525.2	-88	-88	30	120	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Diazinon	n/a	=	4.25	µg/L	EPA 525.2	0.096	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Diazinon	n/a	=	85	%	EPA 525.2	-88	-88	30	120	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Diazinon	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Diazinon	n/a	=	7.08	µg/L	EPA 525.2	0.096	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Diazinon	n/a	=	142	%	EPA 525.2	-88	-88	30	120	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Diazinon	n/a	=	36	%	EPA 525.2	-88	-88	0	30	IL
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Diazinon	n/a	=	4.91	µg/L	EPA 525.2	0.096	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Diazinon	n/a	=	98	%	EPA 525.2	-88	-88	30	120	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Diazinon	n/a	=	0.0306	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Diazinon	n/a	=	61	%	EPA 525.2m	-88	-88	43	152	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dicamba	n/a	=	7.76	µg/L	EPA 515.3	0.12	0.6			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dicamba	n/a	=	7.94	µg/L	EPA 515.3	0.12	0.6			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dicamba	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dicamba	n/a	=	7.7	µg/L	EPA 515.3	0.12	0.6			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dicamba	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dicamba	n/a	=	7.92	µg/L	EPA 515.3	0.12	0.6			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dicamba	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dicamba	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Dicamba	n/a	=	7.77	µg/L	EPA 515.3	0.12	0.6			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dichlorprop	n/a	=	8.12	µg/L	EPA 515.3	0.08	0.3			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dichlorprop	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dichlorprop	n/a	=	8.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dichlorprop	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dichlorprop	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dichlorprop	n/a	=	7.9	µg/L	EPA 515.3	0.08	0.3			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dichlorprop	n/a	=	7.97	µg/L	EPA 515.3	0.08	0.3			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dichlorprop	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Dichlorprop	n/a	=	8.15	µg/L	EPA 515.3	0.08	0.3			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Dichlorprop	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Dichlorvos	n/a	=	0.0502	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Dichlorvos	n/a	=	100	%	EPA 525.2m	-88	-88	42	137	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Dichlorvos	n/a	=	0.0514	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Dichlorvos	n/a	=	103	%	EPA 525.2m	-88	-88	42	137	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Dichlorvos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Dichlorvos	n/a	=	0.0514	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Dichlorvos	n/a	=	103	%	EPA 525.2m	-88	-88	42	137	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Dichlorvos	n/a	=	0.0567	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Dichlorvos	n/a	=	113	%	EPA 525.2m	-88	-88	42	137	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Dichlorvos	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Dichlorvos	n/a	=	0.046	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Dichlorvos	n/a	=	92	%	EPA 525.2m	-88	-88	46	133	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Dichlorvos	n/a	=	0.0451	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Dichlorvos	n/a	=	90	%	EPA 525.2m	-88	-88	46	133	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Dieldrin	n/a	=	0.0869	µg/L	EPA 608	0.0021	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Dieldrin	n/a	=	87	%	EPA 608	-88	-88	48	123	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Dieldrin	n/a	=	0.0815	µg/L	EPA 608	0.0021	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Dieldrin	n/a	=	81	%	EPA 608	-88	-88	48	123	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Dieldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Dieldrin	n/a	=	0.0737	µg/L	EPA 608	0.0021	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Dieldrin	n/a	=	74	%	EPA 608	-88	-88	48	123	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Dieldrin	n/a	=	0.0694	µg/L	EPA 608	0.0021	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Dieldrin	n/a	=	69	%	EPA 608	-88	-88	48	123	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Dieldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Dimethoate	n/a	=	0.0401	µg/L	EPA 525.2m	0.0062	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Dimethoate	n/a	=	80	%	EPA 525.2m	-88	-88	4	222	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Dimethoate	n/a	=	0.052	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Dimethoate	n/a	=	104	%	EPA 525.2m	-88	-88	4	222	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Dimethoate	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Dimethoate	n/a	=	0.0471	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Dimethoate	n/a	=	94	%	EPA 525.2m	-88	-88	4	222	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Dimethoate	n/a	=	0.0541	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Dimethoate	n/a	=	108	%	EPA 525.2m	-88	-88	4	222	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Dimethoate	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Dimethoate	n/a	=	0.0344	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Dimethoate	n/a	=	69	%	EPA 525.2m	-88	-88	10	234	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Dimethoate	n/a	=	4.49	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Dimethoate	n/a	=	90	%	EPA 525.2	-88	-88	38	102	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Dimethoate	n/a	=	4.35	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Dimethoate	n/a	=	87	%	EPA 525.2	-88	-88	38	102	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Dimethoate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Dimethoate	n/a	=	4.09	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Dimethoate	n/a	=	82	%	EPA 525.2	-88	-88	38	102	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Dimethoate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Dimethoate	n/a	=	4.27	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Dimethoate	n/a	=	85	%	EPA 525.2	-88	-88	38	102	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Dimethoate	n/a	=	0.031	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Dimethoate	n/a	=	62	%	EPA 525.2m	-88	-88	10	234	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dinoseb	n/a	=	3.83	µg/L	EPA 515.3	0.14	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dinoseb	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dinoseb	n/a	=	3.94	µg/L	EPA 515.3	0.14	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dinoseb	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dinoseb	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Dinoseb	n/a	=	3.64	µg/L	EPA 515.3	0.14	0.4			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Dinoseb	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Dinoseb	n/a	=	3.84	µg/L	EPA 515.3	0.14	0.4			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Dinoseb	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Dinoseb	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Dinoseb	n/a	=	3.85	µg/L	EPA 515.3	0.14	0.4			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Dinoseb	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Diphenamid	n/a	=	5.75	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Diphenamid	n/a	=	115	%	EPA 525.2	-88	-88	77	124	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Diphenamid	n/a	=	6.2	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Diphenamid	n/a	=	124	%	EPA 525.2	-88	-88	77	124	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Diphenamid	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Diphenamid	n/a	=	5.15	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Diphenamid	n/a	=	103	%	EPA 525.2	-88	-88	77	124	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Diphenamid	n/a	=	5.44	µg/L	EPA 525.2	0.024	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Diphenamid	n/a	=	109	%	EPA 525.2	-88	-88	77	124	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Disulfoton	n/a	=	0.0537	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Disulfoton	n/a	=	107	%	EPA 525.2m	-88	-88	12	199	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Disulfoton	n/a	=	0.0518	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Disulfoton	n/a	=	104	%	EPA 525.2m	-88	-88	12	199	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Disulfoton	n/a	=	0.0572	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Disulfoton	n/a	=	114	%	EPA 525.2m	-88	-88	12	199	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Disulfoton	n/a	=	0.0568	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Disulfoton	n/a	=	114	%	EPA 525.2m	-88	-88	12	199	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Disulfoton	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Disulfoton	n/a	=	0.0438	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Disulfoton	n/a	=	4.66	µg/L	EPA 525.2	0.031	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Disulfoton	n/a	=	93	%	EPA 525.2	-88	-88	54	156	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Disulfoton	n/a	=	4.18	µg/L	EPA 525.2	0.031	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Disulfoton	n/a	=	84	%	EPA 525.2	-88	-88	54	156	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Disulfoton	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Disulfoton	n/a	=	4.26	µg/L	EPA 525.2	0.031	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Disulfoton	n/a	=	85	%	EPA 525.2	-88	-88	54	156	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Disulfoton	n/a	=	25	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Disulfoton	n/a	=	3.3	µg/L	EPA 525.2	0.031	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Disulfoton	n/a	=	66	%	EPA 525.2	-88	-88	54	156	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Disulfoton	n/a	=	0.0278	µg/L	EPA 525.2m	0.01	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Disulfoton	n/a	=	56	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Endosulfan I	n/a	=	0.0743	µg/L	EPA 608	0.0017	0.02			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Endosulfan I	n/a	=	74	%	EPA 608	-88	-88	14	131	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Endosulfan I	n/a	=	0.0686	µg/L	EPA 608	0.0017	0.02			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Endosulfan I	n/a	=	69	%	EPA 608	-88	-88	14	131	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Endosulfan I	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Endosulfan I	n/a	=	0.0675	µg/L	EPA 608	0.0017	0.02			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Endosulfan I	n/a	=	67	%	EPA 608	-88	-88	14	131	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Endosulfan I	n/a	=	0.0617	µg/L	EPA 608	0.0017	0.02			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Endosulfan I	n/a	=	62	%	EPA 608	-88	-88	14	131	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Endosulfan I	n/a	=	9	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Endosulfan II	n/a	=	0.0707	µg/L	EPA 608	0.0019	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Endosulfan II	n/a	=	71	%	EPA 608	-88	-88	40	121	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Endosulfan II	n/a	=	0.0735	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Endosulfan II	n/a	=	73	%	EPA 608	-88	-88	40	121	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Endosulfan II	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Endosulfan II	n/a	=	0.0724	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Endosulfan II	n/a	=	72	%	EPA 608	-88	-88	40	121	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Endosulfan II	n/a	=	0.0653	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Endosulfan II	n/a	=	65	%	EPA 608	-88	-88	40	121	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Endosulfan II	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Endosulfan sulfate	n/a	=	0.094	µg/L	EPA 608	0.008	0.05			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Endosulfan sulfate	n/a	=	94	%	EPA 608	-88	-88	44	140	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Endosulfan sulfate	n/a	=	0.0903	µg/L	EPA 608	0.008	0.05			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Endosulfan sulfate	n/a	=	90	%	EPA 608	-88	-88	44	140	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Endosulfan sulfate	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Endosulfan sulfate	n/a	=	0.0841	µg/L	EPA 608	0.008	0.05			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Endosulfan sulfate	n/a	=	84	%	EPA 608	-88	-88	44	140	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Endosulfan sulfate	n/a	=	0.0797	µg/L	EPA 608	0.008	0.05			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Endosulfan sulfate	n/a	=	80	%	EPA 608	-88	-88	44	140	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Endosulfan sulfate	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Endrin	n/a	=	0.0994	µg/L	EPA 608	0.0028	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Endrin	n/a	=	99	%	EPA 608	-88	-88	40	143	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Endrin	n/a	=	0.0866	µg/L	EPA 608	0.0028	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Endrin	n/a	=	87	%	EPA 608	-88	-88	40	143	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Endrin	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Endrin	n/a	=	0.0851	µg/L	EPA 608	0.0028	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Endrin	n/a	=	85	%	EPA 608	-88	-88	40	143	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Endrin	n/a	=	0.0802	µg/L	EPA 608	0.0028	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Endrin	n/a	=	80	%	EPA 608	-88	-88	40	143	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Endrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Endrin aldehyde	n/a	=	0.0699	µg/L	EPA 608	0.003	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Endrin aldehyde	n/a	=	70	%	EPA 608	-88	-88	18	136	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Endrin aldehyde	n/a	=	0.0598	µg/L	EPA 608	0.003	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Endrin aldehyde	n/a	=	60	%	EPA 608	-88	-88	18	136	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Endrin aldehyde	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Endrin aldehyde	n/a	=	0.0591	µg/L	EPA 608	0.003	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Endrin aldehyde	n/a	=	59	%	EPA 608	-88	-88	18	136	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Endrin aldehyde	n/a	=	0.0545	µg/L	EPA 608	0.003	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Endrin aldehyde	n/a	=	54	%	EPA 608	-88	-88	18	136	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Endrin aldehyde	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS	11/11/2016	Pesticide	EPTC	n/a	=	5.95	µg/L	EPA 525.2	0.017	1			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	EPTC	n/a	=	119	%	EPA 525.2	-88	-88	82	116	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	EPTC	n/a	=	6.26	µg/L	EPA 525.2	0.017	1			EUM
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	EPTC	n/a	=	125	%	EPA 525.2	-88	-88	82	116	EUM
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	EPTC	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	EPTC	n/a	=	6.15	µg/L	EPA 525.2	0.017	1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	EPTC	n/a	=	123	%	EPA 525.2	-88	-88	82	116	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	EPTC	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	EPTC	n/a	=	6.21	µg/L	EPA 525.2	0.017	1			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	EPTC	n/a	=	124	%	EPA 525.2	-88	-88	82	116	EUM
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Ethoprop	n/a	=	0.0512	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Ethoprop	n/a	=	102	%	EPA 525.2m	-88	-88	51	167	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Ethoprop	n/a	=	0.0516	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Ethoprop	n/a	=	103	%	EPA 525.2m	-88	-88	51	167	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Ethoprop	n/a	=	0.9	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Ethoprop	n/a	=	0.0579	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Ethoprop	n/a	=	116	%	EPA 525.2m	-88	-88	51	167	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Ethoprop	n/a	=	0.0568	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Ethoprop	n/a	=	114	%	EPA 525.2m	-88	-88	51	167	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Ethoprop	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Ethoprop	n/a	=	0.0425	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Ethoprop	n/a	=	85	%	EPA 525.2m	-88	-88	53	163	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Ethoprop	n/a	=	0.0528	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Ethoprop	n/a	=	106	%	EPA 525.2m	-88	-88	53	163	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Ethyl parathion	n/a	=	0.0754	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Ethyl parathion	n/a	=	151	%	EPA 525.2m	-88	-88	5	229	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Ethyl parathion	n/a	=	0.0724	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Ethyl parathion	n/a	=	145	%	EPA 525.2m	-88	-88	5	229	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Ethyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Ethyl parathion	n/a	=	0.0585	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Ethyl parathion	n/a	=	117	%	EPA 525.2m	-88	-88	5	229	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Ethyl parathion	n/a	=	0.0603	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Ethyl parathion	n/a	=	121	%	EPA 525.2m	-88	-88	5	229	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Ethyl parathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Ethyl parathion	n/a	=	0.0623	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Ethyl parathion	n/a	=	125	%	EPA 525.2m	-88	-88	7	230	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Ethyl parathion	n/a	=	0.0532	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Ethyl parathion	n/a	=	106	%	EPA 525.2m	-88	-88	7	230	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Fensulfothion	n/a	=	0.0432	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Fensulfothion	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Fensulfothion	n/a	=	0.0406	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Fensulfothion	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	316	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Fensulfothion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Fensulfothion	n/a	=	0.0384	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Fensulfothion	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Fensulfothion	n/a	=	0.0389	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Fensulfothion	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Fensulfothion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Fensulfothion	n/a	=	0.0321	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Fensulfothion	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Fensulfothion	n/a	=	0.0373	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Fensulfothion	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Fenthion	n/a	=	0.0598	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Fenthion	n/a	=	120	%	EPA 525.2m	-88	-88	23	169	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Fenthion	n/a	=	0.0571	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Fenthion	n/a	=	114	%	EPA 525.2m	-88	-88	23	169	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Fenthion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Fenthion	n/a	=	0.0603	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Fenthion	n/a	=	121	%	EPA 525.2m	-88	-88	23	169	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Fenthion	n/a	=	0.0597	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Fenthion	n/a	=	119	%	EPA 525.2m	-88	-88	23	169	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Fenthion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Fenthion	n/a	=	0.0487	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Fenthion	n/a	=	97	%	EPA 525.2m	-88	-88	20	177	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Fenthion	n/a	=	0.0353	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Fenthion	n/a	=	71	%	EPA 525.2m	-88	-88	20	177	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0893	µg/L	EPA 608	0.0021	0.02			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	89	%	EPA 608	-88	-88	49	117	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0705	µg/L	EPA 608	0.0021	0.02			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	70	%	EPA 608	-88	-88	49	117	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	24	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.077	µg/L	EPA 608	0.0021	0.02			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	77	%	EPA 608	-88	-88	49	117	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0708	µg/L	EPA 608	0.0021	0.02			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	71	%	EPA 608	-88	-88	49	117	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-1	000NONPJ	matrix spike	10/31/2016	Pesticide	Glyphosate	n/a	=	21.8	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike, rec	10/31/2016	Pesticide	Glyphosate	n/a	=	87	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike dup	10/31/2016	Pesticide	Glyphosate	n/a	=	22.6	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike dup, rec	10/31/2016	Pesticide	Glyphosate	n/a	=	90	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike, RPD	10/31/2016	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike	10/31/2016	Pesticide	Glyphosate	n/a	=	21.9	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike, rec	10/31/2016	Pesticide	Glyphosate	n/a	=	88	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike dup	10/31/2016	Pesticide	Glyphosate	n/a	=	23	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike dup, rec	10/31/2016	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike, RPD	10/31/2016	Pesticide	Glyphosate	n/a	=	5	%	EPA 547	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Glyphosate	n/a	=	21.1	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Glyphosate	n/a	=	84	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Glyphosate	n/a	=	23.1	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Glyphosate	n/a	=	9	%	EPA 547	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Glyphosate	n/a	=	20.8	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Glyphosate	n/a	=	83	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Glyphosate	n/a	=	19.3	µg/L	EPA 547	1.8	5			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Glyphosate	n/a	=	77	%	EPA 547	-88	-88	41	149	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Glyphosate	n/a	=	7	%	EPA 547	-88	-88	0	30	
2016/17-1	Lab	method blank	10/31/2016	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-1	Lab	LCS	10/31/2016	Pesticide	Glyphosate	n/a	=	21.4	µg/L	EPA 547	1.8	5			
2016/17-1	Lab	LCS, rec	10/31/2016	Pesticide	Glyphosate	n/a	=	86	%	EPA 547	-88	-88	62	130	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Glyphosate	n/a	=	22.1	µg/L	EPA 547	1.8	5			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Glyphosate	n/a	=	88	%	EPA 547	-88	-88	62	130	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Heptachlor	n/a	=	0.0836	µg/L	EPA 608	0.0017	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Heptachlor	n/a	=	84	%	EPA 608	-88	-88	31	130	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Heptachlor	n/a	=	0.0795	µg/L	EPA 608	0.0017	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Heptachlor	n/a	=	80	%	EPA 608	-88	-88	31	130	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Heptachlor	n/a	=	0.0766	µg/L	EPA 608	0.0017	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Heptachlor	n/a	=	77	%	EPA 608	-88	-88	31	130	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Heptachlor	n/a	=	0.0731	µg/L	EPA 608	0.0017	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Heptachlor	n/a	=	73	%	EPA 608	-88	-88	31	130	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS	11/9/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0845	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS, rec	11/9/2016	Pesticide	Heptachlor epoxide	n/a	=	84	%	EPA 608	-88	-88	49	122	
2016/17-1	Lab	LCS dup	11/9/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0776	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS dup, rec	11/9/2016	Pesticide	Heptachlor epoxide	n/a	=	78	%	EPA 608	-88	-88	49	122	
2016/17-1	Lab	LCS, RPD	11/9/2016	Pesticide	Heptachlor epoxide	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0732	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Heptachlor epoxide	n/a	=	73	%	EPA 608	-88	-88	49	122	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0687	µg/L	EPA 608	0.0019	0.01			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Heptachlor epoxide	n/a	=	69	%	EPA 608	-88	-88	49	122	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Heptachlor epoxide	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Malathion	n/a	=	0.0604	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Malathion	n/a	=	121	%	EPA 525.2m	-88	-88	6	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Malathion	n/a	=	0.0558	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Malathion	n/a	=	112	%	EPA 525.2m	-88	-88	6	184	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Malathion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Malathion	n/a	=	0.0666	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Malathion	n/a	=	133	%	EPA 525.2m	-88	-88	6	184	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Malathion	n/a	=	0.0646	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Malathion	n/a	=	129	%	EPA 525.2m	-88	-88	6	184	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Malathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Malathion	n/a	=	0.0473	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Malathion	n/a	=	95	%	EPA 525.2m	-88	-88	14	175	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Malathion	n/a	=	0.058	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Malathion	n/a	=	116	%	EPA 525.2m	-88	-88	14	175	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Merphos	n/a	=	0.0476	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Merphos	n/a	=	95	%	EPA 525.2m	-88	-88	3	210	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Merphos	n/a	=	0.0453	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Merphos	n/a	=	91	%	EPA 525.2m	-88	-88	3	210	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Merphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Merphos	n/a	=	0.04	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Merphos	n/a	=	80	%	EPA 525.2m	-88	-88	3	210	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Merphos	n/a	=	0.0383	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Merphos	n/a	=	77	%	EPA 525.2m	-88	-88	3	210	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Merphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Merphos	n/a	=	0.037	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Merphos	n/a	=	74	%	EPA 525.2m	-88	-88	28	181	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Merphos	n/a	=	0.046	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Merphos	n/a	=	92	%	EPA 525.2m	-88	-88	28	181	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Methyl parathion	n/a	=	0.0744	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Methyl parathion	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Methyl parathion	n/a	=	0.0691	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Methyl parathion	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Methyl parathion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Methyl parathion	n/a	=	0.0673	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Methyl parathion	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Methyl parathion	n/a	=	0.0639	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Methyl parathion	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Methyl parathion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Methyl parathion	n/a	=	0.061	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Methyl parathion	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Methyl parathion	n/a	=	0.0595	µg/L	EPA 525.2m	0.0063	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Methyl parathion	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Metolachlor	n/a	=	6.94	µg/L	EPA 525.2	0.012	0.1			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Metolachlor	n/a	=	139	%	EPA 525.2	-88	-88	61	123	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Metolachlor	n/a	=	6.31	µg/L	EPA 525.2	0.012	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Metolachlor	n/a	=	126	%	EPA 525.2	-88	-88	61	123	EUM
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Metolachlor	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Metolachlor	n/a	=	8.2	µg/L	EPA 525.2	0.012	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Metolachlor	n/a	=	164	%	EPA 525.2	-88	-88	61	123	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Metolachlor	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Metolachlor	n/a	=	7.38	µg/L	EPA 525.2	0.012	0.1			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Metolachlor	n/a	=	148	%	EPA 525.2	-88	-88	61	123	EUM
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Metribuzin	n/a	=	6.36	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Metribuzin	n/a	=	127	%	EPA 525.2	-88	-88	50	121	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Metribuzin	n/a	=	5.77	µg/L	EPA 525.2	0.015	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Metribuzin	n/a	=	115	%	EPA 525.2	-88	-88	50	121	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Metribuzin	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Metribuzin	n/a	=	7.19	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Metribuzin	n/a	=	144	%	EPA 525.2	-88	-88	50	121	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Metribuzin	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Metribuzin	n/a	=	6.56	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Metribuzin	n/a	=	131	%	EPA 525.2	-88	-88	50	121	EUM
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Mevinphos	n/a	=	0.041	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Mevinphos	n/a	=	82	%	EPA 525.2m	-88	-88	25	189	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Mevinphos	n/a	=	0.0471	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Mevinphos	n/a	=	94	%	EPA 525.2m	-88	-88	25	189	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Mevinphos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Mevinphos	n/a	=	0.0493	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Mevinphos	n/a	=	99	%	EPA 525.2m	-88	-88	25	189	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Mevinphos	n/a	=	0.0529	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Mevinphos	n/a	=	106	%	EPA 525.2m	-88	-88	25	189	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Mevinphos	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Mevinphos	n/a	=	0.0379	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Mevinphos	n/a	=	76	%	EPA 525.2m	-88	-88	14	202	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Mevinphos	n/a	=	0.0406	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Mevinphos	n/a	=	81	%	EPA 525.2m	-88	-88	14	202	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Molinate	n/a	=	6.12	µg/L	EPA 525.2	0.039	0.1			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Molinate	n/a	=	122	%	EPA 525.2	-88	-88	82	117	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Molinate	n/a	=	6.15	µg/L	EPA 525.2	0.039	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Molinate	n/a	=	123	%	EPA 525.2	-88	-88	82	117	EUM
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Molinate	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Molinate	n/a	=	6.03	µg/L	EPA 525.2	0.039	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Molinate	n/a	=	121	%	EPA 525.2	-88	-88	82	117	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Molinate	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Molinate	n/a	=	6.05	µg/L	EPA 525.2	0.039	0.1			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Molinate	n/a	=	121	%	EPA 525.2	-88	-88	82	117	EUM
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Naled	n/a	=	0.0109	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Naled	n/a	=	22	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Naled	n/a	=	0.0116	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Naled	n/a	=	23	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Naled	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Naled	n/a	=	0.0169	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Naled	n/a	=	34	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Naled	n/a	=	0.0186	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Naled	n/a	=	37	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Naled	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Naled	n/a	DNQ	0.0081	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Naled	n/a	=	16	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Naled	n/a	=	0.0119	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Naled	n/a	=	24	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.55	µg/L	EPA 515.3	0.04	0.2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.68	µg/L	EPA 515.3	0.04	0.2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.55	µg/L	EPA 515.3	0.04	0.2			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.68	µg/L	EPA 515.3	0.04	0.2			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.52	µg/L	EPA 515.3	0.04	0.2			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup	11/15/2016	Pesticide	Pentachlorophenol	n/a	=	12.7	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS dup, rec	11/15/2016	Pesticide	Pentachlorophenol	n/a	=	51	%	EPA 625	-88	-88	14	176	
2016/17-1	Lab	LCS, RPD	11/15/2016	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Pentachlorophenol	n/a	=	12.3	µg/L	EPA 625	0.19	1			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Pentachlorophenol	n/a	=	49	%	EPA 625	-88	-88	14	176	
2016/17-1	Lab	method blank	11/30/2016	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-1	Lab	LCS	11/30/2016	Pesticide	Pentachlorophenol	n/a	=	10.5	µg/L	EPA 8270C	0.15	1			
2016/17-1	Lab	LCS, rec	11/30/2016	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 8270C	-88	-88	29	106	
2016/17-1	Lab	LCS dup	11/30/2016	Pesticide	Pentachlorophenol	n/a	=	12.5	µg/L	EPA 8270C	0.15	1			EUM
2016/17-1	Lab	LCS dup, rec	11/30/2016	Pesticide	Pentachlorophenol	n/a	=	125	%	EPA 8270C	-88	-88	29	106	EUM
2016/17-1	Lab	LCS, RPD	11/30/2016	Pesticide	Pentachlorophenol	n/a	=	17	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Phorate	n/a	=	0.0543	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Phorate	n/a	=	109	%	EPA 525.2m	-88	-88	31	181	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Phorate	n/a	=	0.0528	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Phorate	n/a	=	106	%	EPA 525.2m	-88	-88	31	181	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Phorate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Phorate	n/a	=	0.057	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Phorate	n/a	=	114	%	EPA 525.2m	-88	-88	31	181	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Phorate	n/a	=	0.0567	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Phorate	n/a	=	113	%	EPA 525.2m	-88	-88	31	181	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Phorate	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Phorate	n/a	=	0.0448	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Phorate	n/a	=	90	%	EPA 525.2m	-88	-88	26	180	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Phorate	n/a	=	0.0481	µg/L	EPA 525.2m	0.003	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Phorate	n/a	=	96	%	EPA 525.2m	-88	-88	26	180	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Picloram	n/a	=	4.78	µg/L	EPA 515.3	0.05	0.6			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Picloram	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Picloram	n/a	=	4.61	µg/L	EPA 515.3	0.05	0.6			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Picloram	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/3/2016	Pesticide	Picloram	n/a	=	4.47	µg/L	EPA 515.3	0.05	0.6			
2016/17-1	000NONPJ	matrix spike, rec	11/3/2016	Pesticide	Picloram	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike dup	11/3/2016	Pesticide	Picloram	n/a	=	4.57	µg/L	EPA 515.3	0.05	0.6			
2016/17-1	000NONPJ	matrix spike dup, rec	11/3/2016	Pesticide	Picloram	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-1	000NONPJ	matrix spike, RPD	11/3/2016	Pesticide	Picloram	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-1	Lab	method blank	11/3/2016	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-1	Lab	LCS	11/3/2016	Pesticide	Picloram	n/a	=	4.45	µg/L	EPA 515.3	0.05	0.6			
2016/17-1	Lab	LCS, rec	11/3/2016	Pesticide	Picloram	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Prometon	n/a	=	4.22	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Prometon	n/a	=	84	%	EPA 525.2	-88	-88	17	101	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Prometon	n/a	=	1.68	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Prometon	n/a	=	34	%	EPA 525.2	-88	-88	17	101	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Prometon	n/a	=	86	%	EPA 525.2	-88	-88	0	30	IL
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Prometon	n/a	=	5.08	µg/L	EPA 525.2	0.024	0.2			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Prometon	n/a	=	102	%	EPA 525.2	-88	-88	17	101	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Prometon	n/a	=	91	%	EPA 525.2	-88	-88	0	30	IL
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Prometon	n/a	=	1.91	µg/L	EPA 525.2	0.024	0.2			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Prometon	n/a	=	38	%	EPA 525.2	-88	-88	17	101	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Prometryn	n/a	=	5.92	µg/L	EPA 525.2	0.036	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Prometryn	n/a	=	118	%	EPA 525.2	-88	-88	57	122	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Prometryn	n/a	=	3.98	µg/L	EPA 525.2	0.036	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Prometryn	n/a	=	80	%	EPA 525.2	-88	-88	57	122	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Prometryn	n/a	=	39	%	EPA 525.2	-88	-88	0	30	IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Prometryn	n/a	=	7.01	µg/L	EPA 525.2	0.036	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Prometryn	n/a	=	140	%	EPA 525.2	-88	-88	57	122	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Prometryn	n/a	=	45	%	EPA 525.2	-88	-88	0	30	IL
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Prometryn	n/a	=	4.44	µg/L	EPA 525.2	0.036	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Prometryn	n/a	=	89	%	EPA 525.2	-88	-88	57	122	
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0632	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	126	%	EPA 525.2m	-88	-88	29	153	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0631	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	126	%	EPA 525.2m	-88	-88	29	153	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.09	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0672	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	134	%	EPA 525.2m	-88	-88	29	153	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0644	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	129	%	EPA 525.2m	-88	-88	29	153	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0528	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	106	%	EPA 525.2m	-88	-88	34	154	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0597	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	119	%	EPA 525.2m	-88	-88	34	154	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Simazine	n/a	=	6.53	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Simazine	n/a	=	131	%	EPA 525.2	-88	-88	53	116	EUM
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Simazine	n/a	=	5.99	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Simazine	n/a	=	120	%	EPA 525.2	-88	-88	53	116	EUM
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Simazine	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Simazine	n/a	=	7.4	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Simazine	n/a	=	148	%	EPA 525.2	-88	-88	53	116	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Simazine	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Simazine	n/a	=	6.58	µg/L	EPA 525.2	0.015	0.1			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Simazine	n/a	=	132	%	EPA 525.2	-88	-88	53	116	EUM
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0548	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0539	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	108	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0578	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0564	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.044	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	188	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0483	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Terbacil	n/a	=	5.59	µg/L	EPA 525.2	0.55	2			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Terbacil	n/a	=	112	%	EPA 525.2	-88	-88	70	135	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Terbacil	n/a	=	5.88	µg/L	EPA 525.2	0.55	2			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Terbacil	n/a	=	118	%	EPA 525.2	-88	-88	70	135	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Terbacil	n/a	=	5.16	µg/L	EPA 525.2	0.55	2			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Terbacil	n/a	=	103	%	EPA 525.2	-88	-88	70	135	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Terbacil	n/a	=	5.29	µg/L	EPA 525.2	0.55	2			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Terbacil	n/a	=	106	%	EPA 525.2	-88	-88	70	135	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Thiobencarb	n/a	=	6.07	µg/L	EPA 525.2	0.025	0.2			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Thiobencarb	n/a	=	121	%	EPA 525.2	-88	-88	56	125	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Thiobencarb	n/a	=	5.6	µg/L	EPA 525.2	0.025	0.2			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Thiobencarb	n/a	=	112	%	EPA 525.2	-88	-88	56	125	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Thiobencarb	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Thiobencarb	n/a	=	6.7	µg/L	EPA 525.2	0.025	0.2			EUM
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Thiobencarb	n/a	=	134	%	EPA 525.2	-88	-88	56	125	EUM
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Thiobencarb	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Thiobencarb	n/a	=	6.3	µg/L	EPA 525.2	0.025	0.2			EUM
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Thiobencarb	n/a	=	126	%	EPA 525.2	-88	-88	56	125	EUM
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Tokuthion	n/a	=	0.051	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Tokuthion	n/a	=	102	%	EPA 525.2m	-88	-88	27	160	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Tokuthion	n/a	=	0.0477	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Tokuthion	n/a	=	95	%	EPA 525.2m	-88	-88	27	160	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Tokuthion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Tokuthion	n/a	=	0.0385	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Tokuthion	n/a	=	77	%	EPA 525.2m	-88	-88	27	160	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Tokuthion	n/a	=	0.0393	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Tokuthion	n/a	=	79	%	EPA 525.2m	-88	-88	27	160	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Tokuthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Tokuthion	n/a	=	0.041	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Tokuthion	n/a	=	82	%	EPA 525.2m	-88	-88	23	159	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Tokuthion	n/a	=	0.0412	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Tokuthion	n/a	=	82	%	EPA 525.2m	-88	-88	23	159	
2016/17-1	Lab	method blank	11/9/2016	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-1	000NONPJ	matrix spike	11/8/2016	Pesticide	Trichloronate	n/a	=	0.0705	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/8/2016	Pesticide	Trichloronate	n/a	=	141	%	EPA 525.2m	-88	-88	40	150	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-1	000NONPJ	matrix spike dup	11/8/2016	Pesticide	Trichloronate	n/a	=	0.0675	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/8/2016	Pesticide	Trichloronate	n/a	=	135	%	EPA 525.2m	-88	-88	40	150	
2016/17-1	000NONPJ	matrix spike, RPD	11/8/2016	Pesticide	Trichloronate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	000NONPJ	matrix spike	11/15/2016	Pesticide	Trichloronate	n/a	=	0.0705	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike, rec	11/15/2016	Pesticide	Trichloronate	n/a	=	141	%	EPA 525.2m	-88	-88	40	150	
2016/17-1	000NONPJ	matrix spike dup	11/15/2016	Pesticide	Trichloronate	n/a	=	0.0661	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	000NONPJ	matrix spike dup, rec	11/15/2016	Pesticide	Trichloronate	n/a	=	132	%	EPA 525.2m	-88	-88	40	150	
2016/17-1	000NONPJ	matrix spike, RPD	11/15/2016	Pesticide	Trichloronate	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-1	Lab	method blank	11/8/2016	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS	11/8/2016	Pesticide	Trichloronate	n/a	=	0.058	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS, rec	11/8/2016	Pesticide	Trichloronate	n/a	=	116	%	EPA 525.2m	-88	-88	34	153	
2016/17-1	Lab	method blank	11/15/2016	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS	11/15/2016	Pesticide	Trichloronate	n/a	=	0.0623	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-1	Lab	LCS, rec	11/15/2016	Pesticide	Trichloronate	n/a	=	125	%	EPA 525.2m	-88	-88	34	153	
2016/17-1	Lab	method blank	11/11/2016	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS	11/11/2016	Pesticide	Trithion	n/a	=	5.41	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS, rec	11/11/2016	Pesticide	Trithion	n/a	=	108	%	EPA 525.2	-88	-88	60	124	
2016/17-1	Lab	LCS dup	11/11/2016	Pesticide	Trithion	n/a	=	5.64	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS dup, rec	11/11/2016	Pesticide	Trithion	n/a	=	113	%	EPA 525.2	-88	-88	60	124	
2016/17-1	Lab	LCS, RPD	11/11/2016	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	method blank	11/14/2016	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS dup	11/14/2016	Pesticide	Trithion	n/a	=	5.56	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS dup, rec	11/14/2016	Pesticide	Trithion	n/a	=	111	%	EPA 525.2	-88	-88	60	124	
2016/17-1	Lab	LCS, RPD	11/14/2016	Pesticide	Trithion	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-1	Lab	LCS	11/14/2016	Pesticide	Trithion	n/a	=	5.64	µg/L	EPA 525.2	0.012	0.1			
2016/17-1	Lab	LCS, rec	11/14/2016	Pesticide	Trithion	n/a	=	113	%	EPA 525.2	-88	-88	60	124	
2016/17-2	000NONPJ	matrix spike	12/10/2016	Anion	Chloride	n/a	=	172	mg/L	EPA 300.0	1	5			
2016/17-2	000NONPJ	matrix spike	12/10/2016	Anion	Chloride	n/a	=	373	mg/L	EPA 300.0	1	5			GB
2016/17-2	000NONPJ	matrix spike dup	12/10/2016	Anion	Chloride	n/a	=	172	mg/L	EPA 300.0	1	5			
2016/17-2	000NONPJ	matrix spike dup	12/10/2016	Anion	Chloride	n/a	=	375	mg/L	EPA 300.0	1	5			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/10/2016	Anion	Chloride	n/a	=	82	%	EPA 300.0	-88	-88	76	118	
2016/17-2	000NONPJ	matrix spike dup, rec	12/10/2016	Anion	Chloride	n/a	=	59	%	EPA 300.0	-88	-88	76	118	GB
2016/17-2	000NONPJ	matrix spike, rec	12/10/2016	Anion	Chloride	n/a	=	56	%	EPA 300.0	-88	-88	76	118	GB
2016/17-2	000NONPJ	matrix spike, rec	12/10/2016	Anion	Chloride	n/a	=	82	%	EPA 300.0	-88	-88	76	118	
2016/17-2	000NONPJ	matrix spike, RPD	12/10/2016	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike, RPD	12/10/2016	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2016/17-2	Lab	LCS	12/10/2016	Anion	Chloride	n/a	=	2.42	mg/L	EPA 300.0	0.1	0.5			
2016/17-2	Lab	LCS, rec	12/10/2016	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	90	110	
2016/17-2	Lab	method blank	12/10/2016	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-2	000NONPJ	matrix spike	12/10/2016	Anion	Fluoride	n/a	=	8.25	mg/L	EPA 300.0	0.2	1			GB
2016/17-2	000NONPJ	matrix spike	12/10/2016	Anion	Fluoride	n/a	=	8.87	mg/L	EPA 300.0	0.2	1			
2016/17-2	000NONPJ	matrix spike dup	12/10/2016	Anion	Fluoride	n/a	=	8.74	mg/L	EPA 300.0	0.2	1			
2016/17-2	000NONPJ	matrix spike dup	12/10/2016	Anion	Fluoride	n/a	=	8.13	mg/L	EPA 300.0	0.2	1			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/10/2016	Anion	Fluoride	n/a	=	87	%	EPA 300.0	-88	-88	86	107	
2016/17-2	000NONPJ	matrix spike dup, rec	12/10/2016	Anion	Fluoride	n/a	=	79	%	EPA 300.0	-88	-88	86	107	GB
2016/17-2	000NONPJ	matrix spike, rec	12/10/2016	Anion	Fluoride	n/a	=	89	%	EPA 300.0	-88	-88	86	107	
2016/17-2	000NONPJ	matrix spike, rec	12/10/2016	Anion	Fluoride	n/a	=	80	%	EPA 300.0	-88	-88	86	107	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, RPD	12/10/2016	Anion	Fluoride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike, RPD	12/10/2016	Anion	Fluoride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2016/17-2	Lab	LCS	12/10/2016	Anion	Fluoride	n/a	=	0.492	mg/L	EPA 300.0	0.02	0.1			
2016/17-2	Lab	LCS, rec	12/10/2016	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	90	110	
2016/17-2	Lab	method blank	12/10/2016	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-2	000NONPJ	matrix spike	12/12/2016	Anion	Perchlorate	n/a	=	13.1	µg/L	EPA 314.0	0.95	2			GB
2016/17-2	000NONPJ	matrix spike, rec	12/12/2016	Anion	Perchlorate	n/a	=	121	%	EPA 314.0	-88	-88	80	120	GB
2016/17-2	000NONPJ	matrix spike dup	12/12/2016	Anion	Perchlorate	n/a	=	11.9	µg/L	EPA 314.0	0.95	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/12/2016	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	80	120	
2016/17-2	000NONPJ	matrix spike, RPD	12/12/2016	Anion	Perchlorate	n/a	=	10	%	EPA 314.0	-88	-88	0	15	
2016/17-2	Lab	method blank	12/12/2016	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-2	Lab	LCS	12/12/2016	Anion	Perchlorate	n/a	=	9.4	µg/L	EPA 314.0	0.95	2			
2016/17-2	Lab	LCS, rec	12/12/2016	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/10/2016	Anion	Sulfate	Total	=	131	mg/L	EPA 300.0	1	5			
2016/17-2	000NONPJ	matrix spike	12/10/2016	Anion	Sulfate	Total	=	645	mg/L	EPA 300.0	1	5			GB
2016/17-2	000NONPJ	matrix spike dup	12/10/2016	Anion	Sulfate	Total	=	131	mg/L	EPA 300.0	1	5			
2016/17-2	000NONPJ	matrix spike dup	12/10/2016	Anion	Sulfate	Total	=	646	mg/L	EPA 300.0	1	5			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/10/2016	Anion	Sulfate	Total	=	96	%	EPA 300.0	-88	-88	78	111	
2016/17-2	000NONPJ	matrix spike dup, rec	12/10/2016	Anion	Sulfate	Total	=	28	%	EPA 300.0	-88	-88	78	111	GB
2016/17-2	000NONPJ	matrix spike, rec	12/10/2016	Anion	Sulfate	Total	=	96	%	EPA 300.0	-88	-88	78	111	
2016/17-2	000NONPJ	matrix spike, rec	12/10/2016	Anion	Sulfate	Total	=	26	%	EPA 300.0	-88	-88	78	111	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/10/2016	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike, RPD	12/10/2016	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-2	Lab	LCS	12/10/2016	Anion	Sulfate	Total	=	2.43	mg/L	EPA 300.0	0.1	0.5			
2016/17-2	Lab	LCS, rec	12/10/2016	Anion	Sulfate	Total	=	97	%	EPA 300.0	-88	-88	90	110	
2016/17-2	Lab	method blank	12/10/2016	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-2	MO-SPA	field blank	11/21/2016	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2016/17-2	MO-SPA	field blank	11/23/2016	Bacteriological	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	-88	2	
2016/17-2	MO-SPA	field blank	11/21/2016	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Calcium	Total	=	64	mg/L	EPA 200.7	0.032	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Calcium	Total	=	61.3	mg/L	EPA 200.7	0.032	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Calcium	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Calcium	Total	=	53.7	mg/L	EPA 200.7	0.032	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Calcium	Total	=	54.3	mg/L	EPA 200.7	0.032	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	Lab	LCS	12/2/2016	Cation	Calcium	Total	=	48.1	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	Lab	LCS, rec	12/2/2016	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2016/17-2	Lab	method blank	12/7/2016	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	Lab	LCS	12/7/2016	Cation	Calcium	Total	=	46.1	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	Lab	LCS, rec	12/7/2016	Cation	Calcium	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2016/17-2	ME-CC	matrix spike	12/2/2016	Cation	Calcium	Total	=	98.2	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	ME-CC	matrix spike, rec	12/2/2016	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	ME-CC	matrix spike dup	12/2/2016	Cation	Calcium	Total	=	98.1	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	ME-CC	matrix spike dup, rec	12/2/2016	Cation	Calcium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike, RPD	12/2/2016	Cation	Calcium	Total	=	0.09	%	EPA 200.7	-88	-88	0	30	
2016/17-2	MO-MEI	matrix spike	12/2/2016	Cation	Calcium	Total	=	59	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	MO-MEI	matrix spike, rec	12/2/2016	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike dup	12/2/2016	Cation	Calcium	Total	=	57.5	mg/L	EPA 200.7	0.016	0.1			
2016/17-2	MO-MEI	matrix spike dup, rec	12/2/2016	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike, RPD	12/2/2016	Cation	Calcium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Magnesium	Total	=	58.8	mg/L	EPA 200.7	0.024	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Magnesium	Total	=	56.5	mg/L	EPA 200.7	0.024	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Magnesium	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Magnesium	Total	=	51.3	mg/L	EPA 200.7	0.024	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Magnesium	Total	=	52.2	mg/L	EPA 200.7	0.024	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	Lab	LCS	12/2/2016	Cation	Magnesium	Total	=	49.8	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	Lab	LCS, rec	12/2/2016	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2016/17-2	Lab	method blank	12/7/2016	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	Lab	LCS	12/7/2016	Cation	Magnesium	Total	=	47.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	Lab	LCS, rec	12/7/2016	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2016/17-2	ME-CC	matrix spike	12/2/2016	Cation	Magnesium	Total	=	81.7	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	ME-CC	matrix spike, rec	12/2/2016	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike dup	12/2/2016	Cation	Magnesium	Total	=	81.5	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	ME-CC	matrix spike dup, rec	12/2/2016	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike, RPD	12/2/2016	Cation	Magnesium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	MO-MEI	matrix spike	12/2/2016	Cation	Magnesium	Total	=	53.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	MO-MEI	matrix spike, rec	12/2/2016	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike dup	12/2/2016	Cation	Magnesium	Total	=	52.3	mg/L	EPA 200.7	0.012	0.1			
2016/17-2	MO-MEI	matrix spike dup, rec	12/2/2016	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike, RPD	12/2/2016	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Potassium	Total	=	62.8	mg/L	EPA 200.7	0.16	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Potassium	Total	=	61.1	mg/L	EPA 200.7	0.16	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Potassium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Potassium	Total	=	56.5	mg/L	EPA 200.7	0.16	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Potassium	Total	=	57.5	mg/L	EPA 200.7	0.16	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Potassium	Total	=	107	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	Lab	LCS	12/2/2016	Cation	Potassium	Total	=	50.6	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	Lab	LCS, rec	12/2/2016	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/7/2016	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	Lab	LCS	12/7/2016	Cation	Potassium	Total	=	48.7	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	Lab	LCS, rec	12/7/2016	Cation	Potassium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2016/17-2	ME-CC	matrix spike	12/2/2016	Cation	Potassium	Total	=	71.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	ME-CC	matrix spike, rec	12/2/2016	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike dup	12/2/2016	Cation	Potassium	Total	=	70.9	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	ME-CC	matrix spike dup, rec	12/2/2016	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike, RPD	12/2/2016	Cation	Potassium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2016/17-2	MO-MEI	matrix spike	12/2/2016	Cation	Potassium	Total	=	58	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	MO-MEI	matrix spike, rec	12/2/2016	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike dup	12/2/2016	Cation	Potassium	Total	=	56.9	mg/L	EPA 200.7	0.081	0.1			
2016/17-2	MO-MEI	matrix spike dup, rec	12/2/2016	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike, RPD	12/2/2016	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Sodium	Total	=	332	mg/L	EPA 200.7	0.03	1			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Sodium	Total	=	324	mg/L	EPA 200.7	0.03	1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Sodium	Total	=	86	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Cation	Sodium	Total	=	333	mg/L	EPA 200.7	0.03	1			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Cation	Sodium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Cation	Sodium	Total	=	334	mg/L	EPA 200.7	0.03	1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Cation	Sodium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Cation	Sodium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Cation	Sodium	Total	DNQ	0.0171	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-2	Lab	LCS	12/2/2016	Cation	Sodium	Total	=	47.1	mg/L	EPA 200.7	0.015	0.5			
2016/17-2	Lab	LCS, rec	12/2/2016	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2016/17-2	Lab	method blank	12/7/2016	Cation	Sodium	Total	DNQ	0.0784	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-2	Lab	LCS	12/7/2016	Cation	Sodium	Total	=	45.2	mg/L	EPA 200.7	0.015	0.5			
2016/17-2	Lab	LCS, rec	12/7/2016	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2016/17-2	ME-CC	matrix spike	12/2/2016	Cation	Sodium	Total	=	172	mg/L	EPA 200.7	0.015	0.5			
2016/17-2	ME-CC	matrix spike, rec	12/2/2016	Cation	Sodium	Total	=	88	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike dup	12/2/2016	Cation	Sodium	Total	=	172	mg/L	EPA 200.7	0.015	0.5			
2016/17-2	ME-CC	matrix spike dup, rec	12/2/2016	Cation	Sodium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike, RPD	12/2/2016	Cation	Sodium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-2	MO-MEI	matrix spike	12/2/2016	Cation	Sodium	Total	=	52	mg/L	EPA 200.7	0.015	0.5			
2016/17-2	MO-MEI	matrix spike, rec	12/2/2016	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike dup	12/2/2016	Cation	Sodium	Total	=	51	mg/L	EPA 200.7	0.015	0.5			
2016/17-2	MO-MEI	matrix spike dup, rec	12/2/2016	Cation	Sodium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike, RPD	12/2/2016	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	lab duplicate	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	=	40.1	mg/L	SM 2320 B	0.56	2		15	
2016/17-2	000NONPJ	lab duplicate	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	=	159	mg/L	SM 2320 B	0.56	10		15	
2016/17-2	000NONPJ	lab duplicate	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	345	mg/L	SM 2320 B	0.56	10		15	
2016/17-2	Lab	LCS	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	=	257	mg/L	SM 2320 B	0.56	2			
2016/17-2	Lab	LCS, rec	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	=	103	%	SM 2320 B	-88	-88	94	108	
2016/17-2	Lab	method blank	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.47	mg/L	SM 2320 B	0.56	2			IP
2016/17-2	Lab	LCS	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	=	256	mg/L	SM 2320 B	0.56	10			
2016/17-2	Lab	LCS, rec	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	11/30/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.49	mg/L	SM 2320 B	0.56	10			IP
2016/17-2	Lab	LCS	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	255	mg/L	SM 2320 B	0.56	10			
2016/17-2	Lab	LCS, rec	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	
2016/17-2	Lab	method blank	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.59	mg/L	SM 2320 B	0.56	10			IP
2016/17-2	Lab	LCS	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	254	mg/L	SM 2320 B	0.56	2			
2016/17-2	Lab	LCS, rec	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	
2016/17-2	Lab	method blank	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.47	mg/L	SM 2320 B	0.56	2			IP
2016/17-2	MO-OXN	lab duplicate	12/3/2016	Conventional	Alkalinity as CaCO3	n/a	=	34.2	mg/L	SM 2320 B	0.56	2		15	
2016/17-2	000NONPJ	lab duplicate	11/27/2016	Conventional	BOD	n/a	=	7.62	mg/L	SM 5210 B	2	2		20	
2016/17-2	Lab	LCS	11/27/2016	Conventional	BOD	n/a	=	185	mg/L	SM 5210 B	2	2			
2016/17-2	Lab	LCS, rec	11/27/2016	Conventional	BOD	n/a	=	93	%	SM 5210 B	-88	-88	85	115	
2016/17-2	000NONPJ	lab duplicate	12/1/2016	Conventional	COD	n/a	=	1910	mg/L	EPA 410.4	2.9	20		15	
2016/17-2	000NONPJ	matrix spike	12/1/2016	Conventional	COD	n/a	=	2500	mg/L	EPA 410.4	1.5	10			
2016/17-2	000NONPJ	matrix spike dup	12/1/2016	Conventional	COD	n/a	=	2490	mg/L	EPA 410.4	1.5	10			
2016/17-2	000NONPJ	matrix spike dup, rec	12/1/2016	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	12/1/2016	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/1/2016	Conventional	COD	n/a	=	0.09	%	EPA 410.4	-88	-88	0	15	
2016/17-2	000NONPJ	matrix spike	12/2/2016	Conventional	COD	n/a	=	4990	mg/L	EPA 410.4	2.9	20			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Conventional	COD	n/a	=	4970	mg/L	EPA 410.4	2.9	20			
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Conventional	COD	n/a	=	0.6	%	EPA 410.4	-88	-88	0	15	
2016/17-2	000NONPJ	lab duplicate	12/2/2016	Conventional	COD	n/a	=	1610	mg/L	EPA 410.4	2.9	20		15	
2016/17-2	000NONPJ	matrix spike	12/2/2016	Conventional	COD	n/a	=	2610	mg/L	EPA 410.4	1.5	10			
2016/17-2	000NONPJ	matrix spike	12/2/2016	Conventional	COD	n/a	=	2240	mg/L	EPA 410.4	1.5	10			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Conventional	COD	n/a	=	2600	mg/L	EPA 410.4	1.5	10			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Conventional	COD	n/a	=	2270	mg/L	EPA 410.4	1.5	10			
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Conventional	COD	n/a	=	0.4	%	EPA 410.4	-88	-88	0	15	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2016/17-2	Lab	LCS	12/1/2016	Conventional	COD	n/a	=	1030	mg/L	EPA 410.4	0.73	5			
2016/17-2	Lab	LCS, rec	12/1/2016	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-2	Lab	method blank	12/1/2016	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2016/17-2	Lab	LCS	12/2/2016	Conventional	COD	n/a	=	1030	mg/L	EPA 410.4	0.73	5			
2016/17-2	Lab	LCS, rec	12/2/2016	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-2	Lab	method blank	12/2/2016	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2016/17-2	000NONPJ	matrix spike	12/2/2016	Conventional	Cyanide	Total	=	0.0496	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	000NONPJ	matrix spike	12/2/2016	Conventional	Cyanide	Total	=	0.0485	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Conventional	Cyanide	Total	=	0.0487	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Conventional	Cyanide	Total	=	0.0491	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	64	136	
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	64	136	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	64	136	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Conventional	Cyanide	Total	=	0.2	%	ASTM D7511	-88	-88	0	47	
2016/17-2	Lab	LCS	12/2/2016	Conventional	Cyanide	Total	=	0.0474	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	Lab	LCS	12/2/2016	Conventional	Cyanide	Total	=	0.0489	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	Lab	LCS dup	12/2/2016	Conventional	Cyanide	Total	=	0.0487	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	Lab	LCS dup, rec	12/2/2016	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	84	116	
2016/17-2	Lab	LCS, rec	12/2/2016	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	84	116	
2016/17-2	Lab	LCS, rec	12/2/2016	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	84	116	
2016/17-2	Lab	LCS, RPD	12/2/2016	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	12	
2016/17-2	Lab	method blank	12/2/2016	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	Lab	method blank	12/2/2016	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	MO-SIM	matrix spike	12/2/2016	Conventional	Cyanide	Total	=	0.0488	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	MO-SIM	matrix spike dup	12/2/2016	Conventional	Cyanide	Total	=	0.0498	mg/L	ASTM D7511	0.0005	0.002			
2016/17-2	MO-SIM	matrix spike dup, rec	12/2/2016	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	64	136	
2016/17-2	MO-SIM	matrix spike, rec	12/2/2016	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2016/17-2	MO-SIM	matrix spike, RPD	12/2/2016	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2016/17-2	Lab	LCS	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.2	mg/L	SM 5310 C	0.5	0.5			
2016/17-2	Lab	LCS	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.2	mg/L	SM 5310 C	0.5	0.5			
2016/17-2	Lab	LCS, rec	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	104	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	LCS, rec	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	102	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	method blank	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-2	Lab	method blank	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-2	ME-CC	matrix spike	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	73	mg/L	SM 5310 C	4	4			
2016/17-2	ME-CC	matrix spike dup	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	73.1	mg/L	SM 5310 C	4	4			
2016/17-2	ME-CC	matrix spike dup, rec	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	93	%	SM 5310 C	-88	-88	80	116	
2016/17-2	ME-CC	matrix spike, rec	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	92	%	SM 5310 C	-88	-88	80	116	
2016/17-2	ME-CC	matrix spike, RPD	12/2/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.1	%	SM 5310 C	-88	-88	0	20	
2016/17-2	Lab	LCS	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	10.3	mg/L	SM 5310 C	0.013	0.3			
2016/17-2	Lab	LCS	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	4.85	mg/L	SM 5310 C	0.013	0.3			
2016/17-2	Lab	LCS dup	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	4.92	mg/L	SM 5310 C	0.013	0.3			
2016/17-2	Lab	LCS dup, rec	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	98	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	LCS, rec	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	103	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	LCS, rec	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	97	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	LCS, RPD	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	1	%	SM 5310 C	-88	-88	0	20	
2016/17-2	Lab	method blank	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.118	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-2	Lab	method blank	12/1/2016	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0864	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-2	000NONPJ	matrix spike	11/22/2016	Conventional	MBAS	n/a	=	0.206	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Conventional	MBAS	n/a	=	0.207	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Conventional	MBAS	n/a	=	103	%	SM 5540 C	-88	-88	74	123	
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Conventional	MBAS	n/a	=	103	%	SM 5540 C	-88	-88	74	123	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Conventional	MBAS	n/a	=	0.05	%	SM 5540 C	-88	-88	0	20	
2016/17-2	Lab	LCS	11/22/2016	Conventional	MBAS	n/a	=	0.208	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	Lab	LCS, rec	11/22/2016	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	82	115	
2016/17-2	Lab	method blank	11/22/2016	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	Lab	LCS	11/22/2016	Conventional	MBAS	n/a	=	0.205	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	Lab	LCS, rec	11/22/2016	Conventional	MBAS	n/a	=	102	%	SM 5540 C	-88	-88	82	115	
2016/17-2	Lab	method blank	11/22/2016	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-THO	matrix spike	11/22/2016	Conventional	MBAS	n/a	=	0.269	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	MO-THO	matrix spike dup	11/22/2016	Conventional	MBAS	n/a	=	0.277	mg/L	SM 5540 C	0.019	0.05			
2016/17-2	MO-THO	matrix spike dup, rec	11/22/2016	Conventional	MBAS	n/a	=	108	%	SM 5540 C	-88	-88	74	123	
2016/17-2	MO-THO	matrix spike, rec	11/22/2016	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	74	123	
2016/17-2	MO-THO	matrix spike, RPD	11/22/2016	Conventional	MBAS	n/a	=	3	%	SM 5540 C	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	11/28/2016	Conventional	Phenolics	n/a	=	0.241	mg/L	EPA 420.4	0.0042	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/28/2016	Conventional	Phenolics	n/a	=	93	%	EPA 420.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/28/2016	Conventional	Phenolics	n/a	=	0.242	mg/L	EPA 420.4	0.0042	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/28/2016	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/28/2016	Conventional	Phenolics	n/a	=	0.5	%	EPA 420.4	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Conventional	Phenolics	n/a	=	3.93	mg/L	EPA 420.4	0.067	0.16			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Conventional	Phenolics	n/a	=	105	%	EPA 420.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Conventional	Phenolics	n/a	=	3.92	mg/L	EPA 420.4	0.067	0.16			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Conventional	Phenolics	n/a	=	0.3	%	EPA 420.4	-88	-88	0	20	
2016/17-2	Lab	method blank	11/28/2016	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-2	Lab	LCS	11/28/2016	Conventional	Phenolics	n/a	=	0.0986	mg/L	EPA 420.4	0.0042	0.01			
2016/17-2	Lab	LCS, rec	11/28/2016	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2016/17-2	Lab	method blank	11/30/2016	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-2	Lab	LCS	11/30/2016	Conventional	Phenolics	n/a	=	0.0975	mg/L	EPA 420.4	0.0042	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2016/17-2	000NONPJ	lab duplicate	11/23/2016	Conventional	Specific Conductance	n/a	=	1380	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-2	000NONPJ	lab duplicate	11/26/2016	Conventional	Specific Conductance	n/a	=	7030	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-2	Lab	LCS	11/23/2016	Conventional	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2			
2016/17-2	Lab	LCS, rec	11/23/2016	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2016/17-2	Lab	method blank	11/23/2016	Conventional	Specific Conductance	n/a	DNQ	0.76	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-2	Lab	LCS	11/26/2016	Conventional	Specific Conductance	n/a	=	10300	µmhos/cm	SM 2510 B	0.23	2			
2016/17-2	Lab	LCS, rec	11/26/2016	Conventional	Specific Conductance	n/a	=	103	%	SM 2510 B	-88	-88	95	105	
2016/17-2	Lab	method blank	11/26/2016	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2016/17-2	Lab	LCS	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	0.19	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-2	Lab	LCS, rec	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	95	%	SM 4500-Cl G	-88	-88	85	110	
2016/17-2	Lab	method blank	11/22/2016	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-2	ME-CC	matrix spike	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	0.195	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-2	ME-CC	matrix spike dup	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	0.188	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-2	ME-CC	matrix spike dup, rec	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	93	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-2	ME-CC	matrix spike, rec	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	97	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-2	ME-CC	matrix spike, RPD	11/22/2016	Conventional	Total Chlorine Residual	n/a	=	4	%	SM 4500-Cl G	-88	-88	0	15	
2016/17-2	000NONPJ	lab duplicate	11/23/2016	Conventional	Total Dissolved Solids	n/a	=	11400	mg/L	SM 2540 C	4	10		10	
2016/17-2	Lab	LCS	11/23/2016	Conventional	Total Dissolved Solids	n/a	=	836	mg/L	SM 2540 C	4	10			
2016/17-2	Lab	LCS, rec	11/23/2016	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2016/17-2	Lab	method blank	11/23/2016	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-2	MO-HUE	lab duplicate	11/23/2016	Conventional	Total Dissolved Solids	n/a	=	5560	mg/L	SM 2540 C	4	10		10	
2016/17-2	Lab	LCS	11/30/2016	Conventional	Total Organic Carbon	n/a	=	4.93	mg/L	SM 5310 C	0.009	0.3			
2016/17-2	Lab	LCS	11/30/2016	Conventional	Total Organic Carbon	n/a	=	9.82	mg/L	SM 5310 C	0.009	0.3			
2016/17-2	Lab	LCS, rec	11/30/2016	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	LCS, rec	11/30/2016	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	85	115	
2016/17-2	Lab	method blank	11/30/2016	Conventional	Total Organic Carbon	n/a	DNQ	0.0185	mg/L	SM 5310 C	0.009	0.3			IP

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	11/30/2016	Conventional	Total Organic Carbon	n/a	DNQ	0.065	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-2	ME-VR2	matrix spike	11/30/2016	Conventional	Total Organic Carbon	n/a	=	8.07	mg/L	SM 5310 C	0.009	0.3			
2016/17-2	ME-VR2	matrix spike dup	11/30/2016	Conventional	Total Organic Carbon	n/a	=	8.55	mg/L	SM 5310 C	0.009	0.3			
2016/17-2	ME-VR2	matrix spike dup, rec	11/30/2016	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 C	-88	-88	80	116	
2016/17-2	ME-VR2	matrix spike, rec	11/30/2016	Conventional	Total Organic Carbon	n/a	=	92	%	SM 5310 C	-88	-88	80	116	
2016/17-2	ME-VR2	matrix spike, RPD	11/30/2016	Conventional	Total Organic Carbon	n/a	=	6	%	SM 5310 C	-88	-88	0	20	
2016/17-2	000NONPJ	lab duplicate	11/23/2016	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5		20	
2016/17-2	Lab	LCS	11/23/2016	Conventional	Total Suspended Solids	n/a	=	247	mg/L	SM 2540 D	-88	5			
2016/17-2	Lab	LCS, rec	11/23/2016	Conventional	Total Suspended Solids	n/a	=	105	%	SM 2540 D	-88	-88	90	110	
2016/17-2	Lab	method blank	11/23/2016	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-2	ME-VR2	lab duplicate	11/23/2016	Conventional	Total Suspended Solids	n/a	=	20	mg/L	SM 2540 D	-88	5		20	
2016/17-2	Lab	LCS	11/22/2016	Conventional	Turbidity	n/a	=	6.94	NTU	EPA 180.1	0.024	0.1			
2016/17-2	Lab	LCS, rec	11/22/2016	Conventional	Turbidity	n/a	=	94	%	EPA 180.1	-88	-88	90	110	
2016/17-2	Lab	method blank	11/22/2016	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-2	ME-VR2	lab duplicate	11/22/2016	Conventional	Turbidity	n/a	=	14.9	NTU	EPA 180.1	0.024	0.1		10	
2016/17-2	000NONPJ	lab duplicate	11/23/2016	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	
2016/17-2	Lab	method blank	11/23/2016	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-2	ME-VR2	lab duplicate	11/23/2016	Conventional	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5		15	
2016/17-2	000NONPJ	matrix spike	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.991	mg/L	EPA 8015B	0.024	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	95	%	EPA 8015B	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.804	mg/L	EPA 8015B	0.024	0.1			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	57	%	EPA 8015B	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	21	%	EPA 8015B	-88	-88	0	25	
2016/17-2	Lab	method blank	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0306	mg/L	EPA 8015B	0.024	0.1			IP
2016/17-2	Lab	LCS	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.496	mg/L	EPA 8015B	0.024	0.1			
2016/17-2	Lab	LCS, rec	12/1/2016	Hydrocarbon	Diesel Range Organics	n/a	=	99	%	EPA 8015B	-88	-88	56	136	
2016/17-2	Lab	LCS	11/30/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.08	mg/L	EPA 8015B	0.044	0.1			
2016/17-2	Lab	LCS, rec	11/30/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	108	%	EPA 8015B	-88	-88	75	123	
2016/17-2	Lab	LCS dup	11/30/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.09	mg/L	EPA 8015B	0.044	0.1			
2016/17-2	Lab	LCS dup, rec	11/30/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	109	%	EPA 8015B	-88	-88	75	123	
2016/17-2	Lab	LCS, RPD	11/30/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	0.8	%	EPA 8015B	-88	-88	0	25	
2016/17-2	Lab	method blank	11/30/2016	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2016/17-2	Lab	LCS	12/1/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	EPA 8015B	0.044	0.1			
2016/17-2	Lab	LCS, rec	12/1/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	EPA 8015B	-88	-88	75	123	
2016/17-2	Lab	LCS dup	12/1/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	EPA 8015B	0.044	0.1			
2016/17-2	Lab	LCS dup, rec	12/1/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	EPA 8015B	-88	-88	75	123	
2016/17-2	Lab	LCS, RPD	12/1/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	0.1	%	EPA 8015B	-88	-88	0	25	
2016/17-2	Lab	method blank	12/1/2016	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2016/17-2	000NONPJ	srgt matrix spike	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.245	mg/L	EPA 8015B	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015B	-88	-88	64	155	
2016/17-2	000NONPJ	srgt matrix spike dup	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.234	mg/L	EPA 8015B	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	93	%	EPA 8015B	-88	-88	64	155	
2016/17-2	Lab	srgt method blank	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.256	mg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015B	-88	-88	64	155	
2016/17-2	Lab	srgt LCS	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.246	mg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/1/2016	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015B	-88	-88	64	155	
2016/17-2	ME-CC	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.303	mg/L	EPA 8015B	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	ME-CC	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015B	-88	-88	64	155	
2016/17-2	ME-VR2	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.255	mg/L	EPA 8015B	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	102	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-CAM	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.242	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-FIL	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.235	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-HUE	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.239	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-MPK	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.218	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	87	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-OXN	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.227	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	91	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-SIM	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.241	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-SPA	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.239	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-THO	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.244	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015B	-88	-88	64	155	
2016/17-2	MO-VEN	srgt environ	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.225	mg/L	EPA 8015B	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/2/2016	Hydrocarbon	n-Tetracosane	n/a	=	90	%	EPA 8015B	-88	-88	64	155	
2016/17-2	000NONPJ	matrix spike	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	20.8	mg/L	EPA 1664A	1.3	5			
2016/17-2	000NONPJ	matrix spike, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	18.8	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS	11/29/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	4.7	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS, rec	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, rec	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	method blank	11/29/2016	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS	12/1/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	4.8	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	19.8	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS dup	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	20.1	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS dup, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	100	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	99	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, RPD	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2016/17-2	Lab	method blank	12/1/2016	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS	12/1/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	4.7	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS dup	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	19.3	mg/L	EPA 1664A	1.3	5			
2016/17-2	Lab	LCS dup, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	LCS, RPD	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2016/17-2	Lab	method blank	12/1/2016	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-2	ME-CC	matrix spike	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	21.5	mg/L	EPA 1664A	1.3	5			
2016/17-2	ME-CC	matrix spike dup	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	21.8	mg/L	EPA 1664A	1.3	5			
2016/17-2	ME-CC	matrix spike dup, rec	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	97	%	EPA 1664A	-88	-88	78	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	ME-CC	matrix spike, rec	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-2	ME-CC	matrix spike, RPD	11/29/2016	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2016/17-2	ME-VR2	matrix spike	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	21.3	mg/L	EPA 1664A	1.3	5			
2016/17-2	ME-VR2	matrix spike, rec	12/1/2016	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	
2016/17-2	Lab	method blank	12/1/2016	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2016/17-2	Lab	method blank	12/7/2016	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS	12/7/2016	Metal	Aluminum	Dissolved	=	45.1	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Aluminum	Dissolved	=	90	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Aluminum	Dissolved	DNQ	2.22	µg/L	EPA 200.8	1.3	5			IP
2016/17-2	Lab	LCS	12/13/2016	Metal	Aluminum	Dissolved	=	50.9	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Aluminum	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Aluminum	Total	=	291	µg/L	EPA 200.8	1.3	5			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Aluminum	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Aluminum	Total	=	290	µg/L	EPA 200.8	1.3	5			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Aluminum	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Aluminum	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Aluminum	Total	=	296	µg/L	EPA 200.8	5.2	20			GB
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Aluminum	Total	=	471	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Aluminum	Total	=	326	µg/L	EPA 200.8	5.2	20			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Aluminum	Total	=	530	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Aluminum	Total	=	9	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS	12/8/2016	Metal	Aluminum	Total	=	49.6	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Aluminum	Total	DNQ	1.55	µg/L	EPA 200.8	1.3	5			IP
2016/17-2	Lab	LCS	12/13/2016	Metal	Aluminum	Total	=	50.9	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Aluminum	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/14/2016	Metal	Aluminum	Total	DNQ	1.55	µg/L	EPA 200.8	1.3	5			IP
2016/17-2	Lab	LCS	12/14/2016	Metal	Aluminum	Total	=	48.2	µg/L	EPA 200.8	1.3	5			
2016/17-2	Lab	LCS, rec	12/14/2016	Metal	Aluminum	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Aluminum	Total	=	3980	µg/L	EPA 200.8	6.5	25			GB
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Aluminum	Total	=	501	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Aluminum	Total	=	3870	µg/L	EPA 200.8	6.5	25			GB
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Aluminum	Total	=	274	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Aluminum	Total	=	1450	µg/L	EPA 200.8	6.5	25			GB
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Aluminum	Total	=	195	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Aluminum	Total	=	1460	µg/L	EPA 200.8	6.5	25			GB
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Aluminum	Total	=	224	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS	12/7/2016	Metal	Antimony	Dissolved	=	50	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Antimony	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS	12/13/2016	Metal	Antimony	Dissolved	=	54.3	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Antimony	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Antimony	Total	=	52.6	µg/L	EPA 200.8	0.045	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Antimony	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Antimony	Total	=	57.9	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Antimony	Total	=	10	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Antimony	Total	=	61.9	µg/L	EPA 200.8	0.18	2			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Antimony	Total	=	120	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Antimony	Total	=	61	µg/L	EPA 200.8	0.18	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Antimony	Total	=	118	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS	12/7/2016	Metal	Antimony	Total	=	50	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Antimony	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS	12/13/2016	Metal	Antimony	Total	=	54.3	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Antimony	Total	=	40	µg/L	EPA 200.8	0.22	2.5			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Antimony	Total	=	78	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Antimony	Total	=	39.7	µg/L	EPA 200.8	0.22	2.5			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Antimony	Total	=	77	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Antimony	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Antimony	Total	=	48.7	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Antimony	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Antimony	Total	=	47.3	µg/L	EPA 200.8	0.045	0.5			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS	12/7/2016	Metal	Arsenic	Dissolved	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS	12/13/2016	Metal	Arsenic	Dissolved	=	52.2	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Arsenic	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Arsenic	Total	=	54.5	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Arsenic	Total	=	54.9	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Arsenic	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Arsenic	Total	=	59.4	µg/L	EPA 200.8	0.3	1.6			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Arsenic	Total	=	116	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Arsenic	Total	=	63.7	µg/L	EPA 200.8	0.3	1.6			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Arsenic	Total	=	124	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Arsenic	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS	12/8/2016	Metal	Arsenic	Total	=	51.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS	12/13/2016	Metal	Arsenic	Total	=	52.2	µg/L	EPA 200.8	0.074	0.4			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Arsenic	Total	=	55.6	µg/L	EPA 200.8	0.37	2			
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Arsenic	Total	=	53.7	µg/L	EPA 200.8	0.37	2			
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Arsenic	Total	=	54.8	µg/L	EPA 200.8	0.37	2			
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Arsenic	Total	=	52	µg/L	EPA 200.8	0.37	2			
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Arsenic	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Barium	Total	=	95.5	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Barium	Total	=	104	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Barium	Total	=	117	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Barium	Total	=	9	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Barium	Total	=	773	µg/L	EPA 200.8	0.28	2			GB
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Barium	Total	=	1190	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Barium	Total	=	754	µg/L	EPA 200.8	0.28	2			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Barium	Total	=	1150	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	Lab	LCS	12/7/2016	Metal	Barium	Total	=	46.4	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	Lab	LCS	12/13/2016	Metal	Barium	Total	=	55.7	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Barium	Total	=	111	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Barium	Total	=	115	µg/L	EPA 200.8	0.36	2.5			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Barium	Total	=	84	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Barium	Total	=	113	µg/L	EPA 200.8	0.36	2.5			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Barium	Total	=	82	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Barium	Total	=	71	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Barium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Barium	Total	=	69.9	µg/L	EPA 200.8	0.071	0.5			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Barium	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS	12/7/2016	Metal	Beryllium	Dissolved	=	49.7	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Beryllium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS	12/13/2016	Metal	Beryllium	Dissolved	=	54.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Beryllium	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Beryllium	Total	=	55	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Beryllium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Beryllium	Total	=	58.1	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Beryllium	Total	=	116	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Beryllium	Total	=	55.4	µg/L	EPA 200.8	0.13	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Beryllium	Total	=	111	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Beryllium	Total	=	53.3	µg/L	EPA 200.8	0.13	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Beryllium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Beryllium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS	12/7/2016	Metal	Beryllium	Total	=	49.7	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS	12/13/2016	Metal	Beryllium	Total	=	54.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Beryllium	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Beryllium	Total	=	49	µg/L	EPA 200.8	0.16	0.5			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Beryllium	Total	=	47.2	µg/L	EPA 200.8	0.16	0.5			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Beryllium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Beryllium	Total	=	50.8	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Beryllium	Total	=	48.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS	12/7/2016	Metal	Cadmium	Dissolved	=	48.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS	12/13/2016	Metal	Cadmium	Dissolved	=	52	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Cadmium	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Cadmium	Total	=	48.1	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Cadmium	Total	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Cadmium	Total	=	46.9	µg/L	EPA 200.8	0.16	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Cadmium	Total	=	50.4	µg/L	EPA 200.8	0.16	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Cadmium	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS	12/8/2016	Metal	Cadmium	Total	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS	12/13/2016	Metal	Cadmium	Total	=	52	µg/L	EPA 200.8	0.041	0.1			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Cadmium	Total	=	51.7	µg/L	EPA 200.8	0.2	0.5			
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Cadmium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Cadmium	Total	=	50.5	µg/L	EPA 200.8	0.2	0.5			
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Cadmium	Total	=	52.8	µg/L	EPA 200.8	0.2	0.5			
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Cadmium	Total	=	50.3	µg/L	EPA 200.8	0.2	0.5			
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Cadmium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Chromium	Dissolved	DNQ	0.0639	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-2	Lab	LCS	12/7/2016	Metal	Chromium	Dissolved	=	45.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Chromium	Dissolved	=	90	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/9/2016	Metal	Chromium	Dissolved	DNQ	0.0383	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-2	Lab	LCS	12/9/2016	Metal	Chromium	Dissolved	=	46.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS, rec	12/9/2016	Metal	Chromium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Chromium	Dissolved	=	53	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Chromium	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-2	ME-CC	matrix spike	12/9/2016	Metal	Chromium	Dissolved	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	ME-CC	matrix spike, rec	12/9/2016	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike dup	12/9/2016	Metal	Chromium	Dissolved	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	ME-CC	matrix spike dup, rec	12/9/2016	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike, RPD	12/9/2016	Metal	Chromium	Dissolved	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Chromium	Total	=	51.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Chromium	Total	=	51.3	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Chromium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Chromium	Total	=	52.5	µg/L	EPA 200.8	0.14	0.8			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Chromium	Total	=	57.6	µg/L	EPA 200.8	0.14	0.8			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Chromium	Total	=	113	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Chromium	Total	=	9	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS	12/8/2016	Metal	Chromium	Total	=	49.5	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Chromium	Total	=	53	µg/L	EPA 200.8	0.035	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Chromium	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Chromium	Total	=	58.1	µg/L	EPA 200.8	0.18	1			
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Chromium	Total	=	56.4	µg/L	EPA 200.8	0.18	1			
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Chromium	Total	=	61.3	µg/L	EPA 200.8	0.18	1			
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Chromium	Total	=	113	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Chromium	Total	=	55.5	µg/L	EPA 200.8	0.18	1			
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Chromium	Total	=	10	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/2/2016	Metal	Chromium VI	n/a	=	5.45	µg/L	EPA 218.6	0.0048	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike	12/2/2016	Metal	Chromium VI	n/a	=	5.21	µg/L	EPA 218.6	0.0048	0.02			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Metal	Chromium VI	n/a	=	5.27	µg/L	EPA 218.6	0.0048	0.02			
2016/17-2	000NONPJ	matrix spike dup	12/2/2016	Metal	Chromium VI	n/a	=	5.31	µg/L	EPA 218.6	0.0048	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2016/17-2	000NONPJ	matrix spike dup, rec	12/2/2016	Metal	Chromium VI	n/a	=	95	%	EPA 218.6	-88	-88	88	112	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2016/17-2	000NONPJ	matrix spike, rec	12/2/2016	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2016/17-2	000NONPJ	matrix spike, RPD	12/2/2016	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2016/17-2	Lab	LCS	12/2/2016	Metal	Chromium VI	n/a	=	4.98	µg/L	EPA 218.6	0.0048	0.02			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2016/17-2	Lab	method blank	12/2/2016	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-2	Lab	method blank	12/7/2016	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS	12/7/2016	Metal	Copper	Dissolved	=	48.3	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Copper	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS	12/13/2016	Metal	Copper	Dissolved	=	53.7	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Copper	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Copper	Total	=	59.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Copper	Total	=	61.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Copper	Total	=	45.9	µg/L	EPA 200.8	0.52	2			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Copper	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Copper	Total	=	51	µg/L	EPA 200.8	0.52	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Copper	Total	=	10	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS	12/8/2016	Metal	Copper	Total	=	51.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS	12/13/2016	Metal	Copper	Total	=	53.7	µg/L	EPA 200.8	0.13	0.5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Copper	Total	=	71.9	µg/L	EPA 200.8	0.65	2.5			
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Copper	Total	=	69	µg/L	EPA 200.8	0.65	2.5			
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Copper	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Copper	Total	=	72.4	µg/L	EPA 200.8	0.65	2.5			
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Copper	Total	=	68.2	µg/L	EPA 200.8	0.65	2.5			
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Copper	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS	12/2/2016	Metal	Iron	Dissolved	=	190	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Iron	Dissolved	=	95	%	EPA 200.7	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/7/2016	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	method blank	12/7/2016	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS	12/7/2016	Metal	Iron	Dissolved	=	183	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Iron	Dissolved	=	91	%	EPA 200.7	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Metal	Iron	Total	=	545	µg/L	EPA 200.7	2.2	20			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Metal	Iron	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Metal	Iron	Total	=	528	µg/L	EPA 200.7	2.2	20			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Metal	Iron	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/7/2016	Metal	Iron	Total	=	477	µg/L	EPA 200.7	2.2	20			
2016/17-2	000NONPJ	matrix spike, rec	12/7/2016	Metal	Iron	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/7/2016	Metal	Iron	Total	=	491	µg/L	EPA 200.7	2.2	20			
2016/17-2	000NONPJ	matrix spike dup, rec	12/7/2016	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/7/2016	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS	12/2/2016	Metal	Iron	Total	=	190	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Iron	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2016/17-2	Lab	method blank	12/7/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS	12/7/2016	Metal	Iron	Total	=	183	µg/L	EPA 200.7	1.1	10			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Iron	Total	=	91	%	EPA 200.7	-88	-88	85	115	
2016/17-2	ME-CC	matrix spike	12/2/2016	Metal	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10			
2016/17-2	ME-CC	matrix spike, rec	12/2/2016	Metal	Iron	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2016/17-2	ME-CC	matrix spike dup	12/2/2016	Metal	Iron	Total	=	5720	µg/L	EPA 200.7	1.1	10			GB
2016/17-2	ME-CC	matrix spike dup, rec	12/2/2016	Metal	Iron	Total	=	-52	%	EPA 200.7	-88	-88	70	130	GB
2016/17-2	ME-CC	matrix spike, RPD	12/2/2016	Metal	Iron	Total	=	5	%	EPA 200.7	-88	-88	0	30	
2016/17-2	MO-MEI	matrix spike	12/2/2016	Metal	Iron	Total	=	2620	µg/L	EPA 200.7	1.1	10			GB
2016/17-2	MO-MEI	matrix spike, rec	12/2/2016	Metal	Iron	Total	=	171	%	EPA 200.7	-88	-88	70	130	GB
2016/17-2	MO-MEI	matrix spike dup	12/2/2016	Metal	Iron	Total	=	2450	µg/L	EPA 200.7	1.1	10			
2016/17-2	MO-MEI	matrix spike dup, rec	12/2/2016	Metal	Iron	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2016/17-2	MO-MEI	matrix spike, RPD	12/2/2016	Metal	Iron	Total	=	7	%	EPA 200.7	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS	12/7/2016	Metal	Lead	Dissolved	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Lead	Dissolved	=	53.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Lead	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Lead	Total	=	52.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Lead	Total	=	56.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Lead	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Lead	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Lead	Total	=	51.5	µg/L	EPA 200.8	0.12	0.8			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.12	0.8			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/7/2016	Metal	Lead	Total	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Lead	Total	=	53.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Lead	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Lead	Total	=	51.7	µg/L	EPA 200.8	0.16	1			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Lead	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Lead	Total	=	51.8	µg/L	EPA 200.8	0.16	1			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Lead	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Lead	Total	=	0.09	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Lead	Total	=	52.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Lead	Total	=	51.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/2/2016	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-2	Lab	LCS	12/2/2016	Metal	Mercury	Dissolved	=	964	ng/L	EPA 245.1	17	50			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	85	115	
2016/17-2	Lab	method blank	12/2/2016	Metal	Mercury	Dissolved	DNQ	22	ng/L	EPA 245.1	17	50			IP
2016/17-2	Lab	LCS	12/2/2016	Metal	Mercury	Dissolved	=	915	ng/L	EPA 245.1	17	50			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Mercury	Dissolved	=	92	%	EPA 245.1	-88	-88	85	115	
2016/17-2	ME-VR2	matrix spike	12/2/2016	Metal	Mercury	Dissolved	=	932	ng/L	EPA 245.1	17	50			
2016/17-2	ME-VR2	matrix spike, rec	12/2/2016	Metal	Mercury	Dissolved	=	93	%	EPA 245.1	-88	-88	70	130	
2016/17-2	ME-VR2	matrix spike dup	12/2/2016	Metal	Mercury	Dissolved	=	909	ng/L	EPA 245.1	17	50			
2016/17-2	ME-VR2	matrix spike dup, rec	12/2/2016	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-2	ME-VR2	matrix spike, RPD	12/2/2016	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2016/17-2	MO-CAM	matrix spike	12/2/2016	Metal	Mercury	Dissolved	=	850	ng/L	EPA 245.1	17	50			
2016/17-2	MO-CAM	matrix spike, rec	12/2/2016	Metal	Mercury	Dissolved	=	85	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-CAM	matrix spike dup	12/2/2016	Metal	Mercury	Dissolved	=	873	ng/L	EPA 245.1	17	50			
2016/17-2	MO-CAM	matrix spike dup, rec	12/2/2016	Metal	Mercury	Dissolved	=	87	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-CAM	matrix spike, RPD	12/2/2016	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-2	MO-OXN	matrix spike	12/2/2016	Metal	Mercury	Dissolved	=	819	ng/L	EPA 245.1	17	50			
2016/17-2	MO-OXN	matrix spike, rec	12/2/2016	Metal	Mercury	Dissolved	=	82	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-OXN	matrix spike dup	12/2/2016	Metal	Mercury	Dissolved	=	798	ng/L	EPA 245.1	17	50			
2016/17-2	MO-OXN	matrix spike dup, rec	12/2/2016	Metal	Mercury	Dissolved	=	80	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-OXN	matrix spike, RPD	12/2/2016	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-2	Lab	method blank	12/2/2016	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-2	Lab	LCS	12/2/2016	Metal	Mercury	Total	=	964	ng/L	EPA 245.1	17	50			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	85	115	
2016/17-2	Lab	method blank	12/2/2016	Metal	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50			IP
2016/17-2	Lab	LCS	12/2/2016	Metal	Mercury	Total	=	915	ng/L	EPA 245.1	17	50			
2016/17-2	Lab	LCS, rec	12/2/2016	Metal	Mercury	Total	=	92	%	EPA 245.1	-88	-88	85	115	
2016/17-2	ME-VR2	matrix spike	12/2/2016	Metal	Mercury	Total	=	932	ng/L	EPA 245.1	17	50			
2016/17-2	ME-VR2	matrix spike, rec	12/2/2016	Metal	Mercury	Total	=	93	%	EPA 245.1	-88	-88	70	130	
2016/17-2	ME-VR2	matrix spike dup	12/2/2016	Metal	Mercury	Total	=	909	ng/L	EPA 245.1	17	50			
2016/17-2	ME-VR2	matrix spike dup, rec	12/2/2016	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-2	ME-VR2	matrix spike, RPD	12/2/2016	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-CAM	matrix spike	12/2/2016	Metal	Mercury	Total	=	850	ng/L	EPA 245.1	17	50			
2016/17-2	MO-CAM	matrix spike, rec	12/2/2016	Metal	Mercury	Total	=	83	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-CAM	matrix spike dup	12/2/2016	Metal	Mercury	Total	=	873	ng/L	EPA 245.1	17	50			
2016/17-2	MO-CAM	matrix spike dup, rec	12/2/2016	Metal	Mercury	Total	=	85	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-CAM	matrix spike, RPD	12/2/2016	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-2	MO-OXN	matrix spike	12/2/2016	Metal	Mercury	Total	=	819	ng/L	EPA 245.1	17	50			
2016/17-2	MO-OXN	matrix spike, rec	12/2/2016	Metal	Mercury	Total	=	78	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-OXN	matrix spike dup	12/2/2016	Metal	Mercury	Total	=	798	ng/L	EPA 245.1	17	50			
2016/17-2	MO-OXN	matrix spike dup, rec	12/2/2016	Metal	Mercury	Total	=	76	%	EPA 245.1	-88	-88	70	130	
2016/17-2	MO-OXN	matrix spike, RPD	12/2/2016	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-2	Lab	method blank	12/7/2016	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS	12/7/2016	Metal	Nickel	Dissolved	=	46.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Nickel	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS	12/13/2016	Metal	Nickel	Dissolved	=	54.1	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Nickel	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Nickel	Total	=	49.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Nickel	Total	=	49.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Nickel	Total	=	47.2	µg/L	EPA 200.8	0.18	3.2			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Nickel	Total	=	52.2	µg/L	EPA 200.8	0.18	3.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Nickel	Total	=	10	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS	12/8/2016	Metal	Nickel	Total	=	50.7	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS	12/13/2016	Metal	Nickel	Total	=	54.1	µg/L	EPA 200.8	0.045	0.8			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Nickel	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Nickel	Total	=	60.4	µg/L	EPA 200.8	0.22	4			
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Nickel	Total	=	58.5	µg/L	EPA 200.8	0.22	4			
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Nickel	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Nickel	Total	=	63.5	µg/L	EPA 200.8	0.22	4			
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Nickel	Total	=	116	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Nickel	Total	=	56.1	µg/L	EPA 200.8	0.22	4			
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Nickel	Total	=	12	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS	12/7/2016	Metal	Selenium	Dissolved	=	49	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS	12/13/2016	Metal	Selenium	Dissolved	=	48.8	µg/L	EPA 200.8	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Selenium	Total	=	45.9	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Selenium	Total	=	46.1	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Selenium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Selenium	Total	=	16.2	µg/L	EPA 200.8	0.56	1.6			GB
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Selenium	Total	=	32	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Selenium	Total	=	14.1	µg/L	EPA 200.8	0.56	1.6			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Selenium	Total	=	28	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Selenium	Total	=	14	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS	12/7/2016	Metal	Selenium	Total	=	49	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS	12/13/2016	Metal	Selenium	Total	=	48.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Selenium	Total	=	45.9	µg/L	EPA 200.8	0.7	2			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Selenium	Total	=	47	µg/L	EPA 200.8	0.7	2			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Selenium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Selenium	Total	=	54.6	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Selenium	Total	=	50.6	µg/L	EPA 200.8	0.14	0.4			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Selenium	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS	12/7/2016	Metal	Silver	Dissolved	=	51.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Silver	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Silver	Dissolved	=	53.9	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Silver	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Silver	Total	=	25.8	µg/L	EPA 200.8	0.062	0.2			GB
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Silver	Total	=	52	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Silver	Total	=	30.3	µg/L	EPA 200.8	0.062	0.2			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Silver	Total	=	61	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Silver	Total	=	16	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Silver	Total	=	51	µg/L	EPA 200.8	0.25	0.8			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Silver	Total	=	49.6	µg/L	EPA 200.8	0.25	0.8			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS	12/7/2016	Metal	Silver	Total	=	51.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/13/2016	Metal	Silver	Total	=	53.9	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Silver	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Silver	Total	=	42.8	µg/L	EPA 200.8	0.31	1			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Silver	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Silver	Total	=	44.2	µg/L	EPA 200.8	0.31	1			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Silver	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Silver	Total	=	46.9	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Silver	Total	=	45.8	µg/L	EPA 200.8	0.062	0.2			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS	12/7/2016	Metal	Thallium	Dissolved	=	49.3	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Thallium	Dissolved	=	49.2	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Thallium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Thallium	Total	=	45.2	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Thallium	Total	=	48.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Thallium	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Thallium	Total	=	46.9	µg/L	EPA 200.8	0.056	0.8			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Thallium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Thallium	Total	=	45.8	µg/L	EPA 200.8	0.056	0.8			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Thallium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS	12/7/2016	Metal	Thallium	Total	=	49.3	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS	12/13/2016	Metal	Thallium	Total	=	49.2	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/7/2016	Metal	Thallium	Total	=	44.9	µg/L	EPA 200.8	0.07	1			
2016/17-2	MO-MPK	matrix spike, rec	12/7/2016	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/7/2016	Metal	Thallium	Total	=	44.9	µg/L	EPA 200.8	0.07	1			
2016/17-2	MO-MPK	matrix spike dup, rec	12/7/2016	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/7/2016	Metal	Thallium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/7/2016	Metal	Thallium	Total	=	49.1	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	MO-SIM	matrix spike, rec	12/7/2016	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/7/2016	Metal	Thallium	Total	=	47.9	µg/L	EPA 200.8	0.014	0.2			
2016/17-2	MO-SIM	matrix spike dup, rec	12/7/2016	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/7/2016	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/7/2016	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS	12/7/2016	Metal	Zinc	Dissolved	=	49.2	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS, rec	12/7/2016	Metal	Zinc	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/13/2016	Metal	Zinc	Dissolved	DNQ	2.67	µg/L	EPA 200.8	0.94	5			IP
2016/17-2	Lab	LCS	12/13/2016	Metal	Zinc	Dissolved	=	55.2	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Zinc	Dissolved	=	111	%	EPA 200.8	-88	-88	85	115	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Zinc	Total	=	69.1	µg/L	EPA 200.8	0.94	5			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Zinc	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Zinc	Total	=	64.7	µg/L	EPA 200.8	0.94	5			
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Zinc	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/13/2016	Metal	Zinc	Total	=	60.7	µg/L	EPA 200.8	3.8	20			
2016/17-2	000NONPJ	matrix spike, rec	12/13/2016	Metal	Zinc	Total	=	121	%	EPA 200.8	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/13/2016	Metal	Zinc	Total	=	70.1	µg/L	EPA 200.8	3.8	20			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/13/2016	Metal	Zinc	Total	=	140	%	EPA 200.8	-88	-88	70	130	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/13/2016	Metal	Zinc	Total	=	14	%	EPA 200.8	-88	-88	0	30	
2016/17-2	Lab	method blank	12/8/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS	12/8/2016	Metal	Zinc	Total	=	52.9	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS, rec	12/8/2016	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-2	Lab	method blank	12/13/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS	12/13/2016	Metal	Zinc	Total	=	55.2	µg/L	EPA 200.8	0.94	5			
2016/17-2	Lab	LCS, rec	12/13/2016	Metal	Zinc	Total	=	111	%	EPA 200.8	-88	-88	85	115	
2016/17-2	MO-MPK	matrix spike	12/8/2016	Metal	Zinc	Total	=	158	µg/L	EPA 200.8	4.7	25			
2016/17-2	MO-MPK	matrix spike, rec	12/8/2016	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike dup	12/8/2016	Metal	Zinc	Total	=	156	µg/L	EPA 200.8	4.7	25			
2016/17-2	MO-MPK	matrix spike dup, rec	12/8/2016	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-MPK	matrix spike, RPD	12/8/2016	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-2	MO-SIM	matrix spike	12/8/2016	Metal	Zinc	Total	=	135	µg/L	EPA 200.8	4.7	25			
2016/17-2	MO-SIM	matrix spike, rec	12/8/2016	Metal	Zinc	Total	=	113	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike dup	12/8/2016	Metal	Zinc	Total	=	130	µg/L	EPA 200.8	4.7	25			
2016/17-2	MO-SIM	matrix spike dup, rec	12/8/2016	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-2	MO-SIM	matrix spike, RPD	12/8/2016	Metal	Zinc	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.261	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.271	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.384	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.253	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike dup	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.254	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike dup	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.273	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike dup	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.258	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike dup	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.384	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	108	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/29/2016	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2016/17-2	000NONPJ	matrix spike, RPD	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.7	%	EPA 350.1	-88	-88	0	15	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, RPD	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2016/17-2	000NONPJ	matrix spike, RPD	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.1	%	EPA 350.1	-88	-88	0	15	
2016/17-2	Lab	LCS	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	Lab	LCS	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	Lab	LCS	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	Lab	LCS	11/29/2016	Nutrient	Ammonia as N	n/a	=	0.259	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	Lab	LCS, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-2	Lab	LCS, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-2	Lab	LCS, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-2	Lab	LCS, rec	11/29/2016	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2016/17-2	Lab	method blank	11/29/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	Lab	method blank	11/29/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	Lab	method blank	11/29/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-2	000NONPJ	matrix spike	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.42	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.41	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.9	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.9	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.15	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.1	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.18	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.18	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.05	%	EPA 353.2	-88	-88	0	20	
2016/17-2	Lab	method blank	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	DNQ	0.044	mg/L	EPA 353.2	0.041	0.1			IP
2016/17-2	Lab	LCS	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.995	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	Lab	LCS, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2016/17-2	Lab	method blank	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	DNQ	0.042	mg/L	EPA 353.2	0.041	0.1			IP
2016/17-2	Lab	LCS	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	1.05	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	Lab	LCS, rec	11/22/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike	11/22/2016	Nutrient	Nitrate as N	n/a	=	2.15	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Nutrient	Nitrate as N	n/a	=	2.1	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Nutrient	Nitrate as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	11/22/2016	Nutrient	Nitrate as N	n/a	=	2.18	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike, rec	11/22/2016	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QA/QC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike dup	11/22/2016	Nutrient	Nitrate as N	n/a	=	2.18	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/22/2016	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/22/2016	Nutrient	Nitrate as N	n/a	=	0.05	%	EPA 353.2	-88	-88	0	20	
2016/17-2	Lab	method blank	11/22/2016	Nutrient	Nitrate as N	n/a	DNQ	0.042	mg/L	EPA 353.2	0.041	0.1			IP
2016/17-2	Lab	LCS	11/22/2016	Nutrient	Nitrate as N	n/a	=	1.05	mg/L	EPA 353.2	0.041	0.1			
2016/17-2	Lab	LCS, rec	11/22/2016	Nutrient	Nitrate as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	0.292	mg/L	EPA 365.1	0.0028	0.02			GB
2016/17-2	000NONPJ	matrix spike, rec	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	88	%	EPA 365.1	-88	-88	90	110	GB
2016/17-2	000NONPJ	matrix spike dup	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	0.298	mg/L	EPA 365.1	0.0028	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	2	%	EPA 365.1	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	0.695	mg/L	EPA 365.1	0.007	0.05			
2016/17-2	000NONPJ	matrix spike, rec	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	92	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	0.715	mg/L	EPA 365.1	0.007	0.05			
2016/17-2	000NONPJ	matrix spike dup, rec	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	3	%	EPA 365.1	-88	-88	0	20	
2016/17-2	Lab	method blank	12/5/2016	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	0.0487	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS, rec	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 365.1	-88	-88	90	110	
2016/17-2	Lab	method blank	12/9/2016	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	0.0483	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS, rec	12/9/2016	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 365.1	-88	-88	90	110	
2016/17-2	MO-SPA	matrix spike	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	0.453	mg/L	EPA 365.1	0.007	0.05			
2016/17-2	MO-SPA	matrix spike, rec	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	95	%	EPA 365.1	-88	-88	90	110	
2016/17-2	MO-SPA	matrix spike dup	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	0.45	mg/L	EPA 365.1	0.007	0.05			
2016/17-2	MO-SPA	matrix spike dup, rec	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	90	%	EPA 365.1	-88	-88	90	110	
2016/17-2	MO-SPA	matrix spike, RPD	12/5/2016	Nutrient	Phosphorus as P	Dissolved	=	0.6	%	EPA 365.1	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.157	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	000NONPJ	matrix spike, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.156	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.6	%	EPA 365.1	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.0472	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	000NONPJ	matrix spike, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	94	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.0478	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	96	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/5/2016	Nutrient	Phosphorus as P	Total	=	1	%	EPA 365.1	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.129	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	000NONPJ	matrix spike, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.13	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.8	%	EPA 365.1	-88	-88	0	20	
2016/17-2	000NONPJ	matrix spike	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.348	mg/L	EPA 365.1	0.0028	0.02			GB
2016/17-2	000NONPJ	matrix spike, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	68	%	EPA 365.1	-88	-88	90	110	GB
2016/17-2	000NONPJ	matrix spike dup	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.356	mg/L	EPA 365.1	0.0028	0.02			GB
2016/17-2	000NONPJ	matrix spike dup, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	84	%	EPA 365.1	-88	-88	90	110	GB
2016/17-2	000NONPJ	matrix spike, RPD	12/5/2016	Nutrient	Phosphorus as P	Total	=	2	%	EPA 365.1	-88	-88	0	20	

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Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	lab duplicate	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.544	mg/L	EPA 365.1	0.0056	0.04		20	
2016/17-2	Lab	method blank	12/5/2016	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.0504	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2016/17-2	Lab	method blank	12/5/2016	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS	12/5/2016	Nutrient	Phosphorus as P	Total	=	0.0509	mg/L	EPA 365.1	0.0014	0.01			
2016/17-2	Lab	LCS, rec	12/5/2016	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike	11/29/2016	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	000NONPJ	matrix spike	11/29/2016	Nutrient	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	000NONPJ	matrix spike dup	11/29/2016	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	000NONPJ	matrix spike dup	11/29/2016	Nutrient	TKN	n/a	=	1.19	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	11/29/2016	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike dup, rec	11/29/2016	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	11/29/2016	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, rec	11/29/2016	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2016/17-2	000NONPJ	matrix spike, RPD	11/29/2016	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2016/17-2	000NONPJ	matrix spike, RPD	11/29/2016	Nutrient	TKN	n/a	=	5	%	EPA 351.2	-88	-88	0	10	
2016/17-2	Lab	LCS	11/29/2016	Nutrient	TKN	n/a	=	0.999	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	Lab	LCS	11/29/2016	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	Lab	LCS, rec	11/29/2016	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2016/17-2	Lab	LCS, rec	11/29/2016	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2016/17-2	Lab	method blank	11/29/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	Lab	method blank	11/29/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-2	Lab	method blank	12/10/2016	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	22.6	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	90	%	EPA 625	-88	-88	44	142	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	20.9	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	44	142	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625	-88	-88	44	142	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	19	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	44	142	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	1,2-Dichlorobenzene	n/a	=	22.4	µg/L	EPA 625	0.57	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	1,2-Dichlorobenzene	n/a	=	90	%	EPA 625	-88	-88	32	129	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	1,2-Dichlorobenzene	n/a	=	20.5	µg/L	EPA 625	0.57	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	1,2-Dichlorobenzene	n/a	=	82	%	EPA 625	-88	-88	32	129	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	1,2-Dichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	1,2-Dichlorobenzene	n/a	=	19	µg/L	EPA 625	0.57	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	1,2-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	32	129	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	1,2-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.57	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	1,2-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	32	129	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	1,2-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	srgt LCS	11/22/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/22/2016	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt LCS dup	11/22/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/22/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt method blank	11/23/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/23/2016	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt LCS	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt LCS dup	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt method blank	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt LCS dup	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.5	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt LCS	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	49.2	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	srgt method blank	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-2	ME-CC	srgt environ	11/23/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	11/23/2016	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-2	ME-VR2	srgt environ	11/23/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	11/23/2016	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-CAM	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-FIL	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-HUE	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.8	µg/L	EPA 624	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-MEI	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-MPK	srgt environ	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	11/27/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-OJA	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2016/17-2	MO-OJA	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-OXN	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-SIM	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-SPA	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	54.8	µg/L	EPA 624	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	110	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-THO	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-2	MO-VEN	srgt environ	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	11/24/2016	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-2	Lab	method blank	12/10/2016	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	method blank	12/14/2016	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	method blank	12/10/2016	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/10/2016	Organic	1,3-Dichlorobenzene	n/a	=	22.8	µg/L	EPA 625	0.53	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	1,3-Dichlorobenzene	n/a	=	91	%	EPA 625	-88	-88	0.1	172	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	1,3-Dichlorobenzene	n/a	=	20.8	µg/L	EPA 625	0.53	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	1,3-Dichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	0.1	172	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	1,3-Dichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	1,3-Dichlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.53	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	1,3-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	0.1	172	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	1,3-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.53	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	1,3-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	172	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	1,3-Dichlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	000NONPJ	srgt matrix spike	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.463	µg/L	EPA 525.2m	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	000NONPJ	srgt matrix spike dup	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.457	µg/L	EPA 525.2m	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	000NONPJ	srgt matrix spike	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.43	µg/L	EPA 525.2m	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	Lab	srgt method blank	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.471	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	Lab	srgt LCS	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.478	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	Lab	srgt method blank	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.443	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	Lab	srgt LCS	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.467	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	Lab	srgt method blank	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.35	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	73	138	
2016/17-2	Lab	srgt LCS	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.77	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	73	138	
2016/17-2	Lab	srgt LCS dup	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.48	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2	-88	-88	73	138	
2016/17-2	ME-CC	srgt environ	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.429	µg/L	EPA 525.2m	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	ME-CC	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.82	µg/L	EPA 525.2	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	116	%	EPA 525.2	-88	-88	73	138	
2016/17-2	ME-VR2	srgt environ	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.47	µg/L	EPA 525.2m	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	ME-VR2	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-CAM	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-CAM	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-FIL	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.426	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-FIL	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	73	138	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-HUE	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.454	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-HUE	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.14	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-MEI	srgt environ	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.372	µg/L	EPA 525.2m	-88	-88			GN
2016/17-2	MO-MEI	srgt environ, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	74	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-2	MO-MPK	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.511	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-MPK	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-OJA	srgt environ	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.512	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-OJA	srgt environ, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-OXN	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.467	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-OXN	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-SIM	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.444	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-SIM	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.45	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-SPA	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.459	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-SPA	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-THO	srgt environ	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.454	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/1/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-THO	srgt environ	12/6/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.27	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/6/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2016/17-2	MO-VEN	srgt environ	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.429	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	11/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2016/17-2	MO-VEN	srgt environ	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.35	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/5/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	73	138	
2016/17-2	Lab	method blank	12/10/2016	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	1,4-Dichlorobenzene	n/a	=	23.8	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	1,4-Dichlorobenzene	n/a	=	95	%	EPA 625	-88	-88	20	124	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	1,4-Dichlorobenzene	n/a	=	21.4	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	1,4-Dichlorobenzene	n/a	=	86	%	EPA 625	-88	-88	20	124	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	1,4-Dichlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	1,4-Dichlorobenzene	n/a	=	20.5	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	1,4-Dichlorobenzene	n/a	=	82	%	EPA 625	-88	-88	20	124	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	1,4-Dichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.55	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	1,4-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	20	124	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	1,4-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	method blank	12/15/2016	Organic	1-Methylphenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	method blank	12/21/2016	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	srqt method blank	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	31.5	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srqt method blank, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 625	-88	-88	25	102	
2016/17-2	Lab	srqt LCS	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	43.3	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srqt LCS, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2016/17-2	Lab	srqt LCS dup	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	39.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srqt LCS dup, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2016/17-2	Lab	srqt method blank	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	33.1	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srqt method blank, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625	-88	-88	25	102	
2016/17-2	Lab	srqt LCS	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	40.4	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srqt LCS, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2016/17-2	Lab	srqt LCS dup	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	37.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srqt LCS dup, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2016/17-2	Lab	srqt method blank	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	39.5	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srqt method blank, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2016/17-2	Lab	srqt LCS	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.99	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srqt LCS, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2016/17-2	Lab	srqt LCS dup	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.31	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srqt LCS dup, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	
2016/17-2	ME-CC	srqt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	34.5	µg/L	EPA 625	-88	-88			
2016/17-2	ME-CC	srqt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2016/17-2	ME-CC	srqt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.79	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-CC	srqt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2016/17-2	ME-VR2	srqt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	35	µg/L	EPA 625	-88	-88			
2016/17-2	ME-VR2	srqt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2016/17-2	ME-VR2	srqt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.37	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-VR2	srqt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-CAM	srqt environ	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	34	µg/L	EPA 625	-88	-88			
2016/17-2	MO-CAM	srqt environ, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-CAM	srqt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.5	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-CAM	srqt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-FIL	srqt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	37.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-FIL	srqt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-FIL	srqt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.15	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-FIL	srqt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-HUE	srqt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	32	µg/L	EPA 625	-88	-88			
2016/17-2	MO-HUE	srqt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-HUE	srqt environ	12/22/2016	Organic	2,4,6-Tribromophenol	n/a	=	6.7	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-HUE	srqt environ, rec	12/22/2016	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-MPK	srqt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	34	µg/L	EPA 625	-88	-88			
2016/17-2	MO-MPK	srqt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-MPK	srqt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.6	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-MPK	srqt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-OXN	srqt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	30.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-OXN	srqt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-OXN	srqt environ	12/22/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.35	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-OXN	srqt environ, rec	12/22/2016	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-SIM	srqt environ	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	35.6	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-SIM	srgt environ, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-SIM	srgt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.25	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-SPA	srgt environ	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	34.5	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-SPA	srgt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	6.3	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-THO	srgt environ	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	29.4	µg/L	EPA 625	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/14/2016	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-THO	srgt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	7.15	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2016/17-2	MO-VEN	srgt environ	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	42.3	µg/L	EPA 625	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/10/2016	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2016/17-2	MO-VEN	srgt environ	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	6.15	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/21/2016	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 8270C	-88	-88	26	117	
2016/17-2	Lab	method blank	12/10/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2,4,6-Trichlorophenol	n/a	=	28.5	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2,4,6-Trichlorophenol	n/a	=	114	%	EPA 625	-88	-88	37	144	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2,4,6-Trichlorophenol	n/a	=	25.2	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2,4,6-Trichlorophenol	n/a	=	101	%	EPA 625	-88	-88	37	144	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2,4,6-Trichlorophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	2,4,6-Trichlorophenol	n/a	=	23.1	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2,4,6-Trichlorophenol	n/a	=	92	%	EPA 625	-88	-88	37	144	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2,4,6-Trichlorophenol	n/a	=	21.1	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 625	-88	-88	37	144	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2,4,6-Trichlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	2,4,6-Trichlorophenol	n/a	=	7.8	µg/L	EPA 8270C	0.3	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	2,4,6-Trichlorophenol	n/a	=	78	%	EPA 8270C	-88	-88	30	115	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	2,4,6-Trichlorophenol	n/a	=	8.5	µg/L	EPA 8270C	0.3	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	30	115	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	2,4,6-Trichlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2,4-Dichlorophenol	n/a	=	25.9	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2,4-Dichlorophenol	n/a	=	104	%	EPA 625	-88	-88	39	135	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2,4-Dichlorophenol	n/a	=	22.9	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2,4-Dichlorophenol	n/a	=	92	%	EPA 625	-88	-88	39	135	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2,4-Dichlorophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	2,4-Dichlorophenol	n/a	=	21.1	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 625	-88	-88	39	135	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2,4-Dichlorophenol	n/a	=	20.5	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2,4-Dichlorophenol	n/a	=	82	%	EPA 625	-88	-88	39	135	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	2,4-Dichlorophenol	n/a	=	6.72	µg/L	EPA 8270C	0.51	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	2,4-Dichlorophenol	n/a	=	67	%	EPA 8270C	-88	-88	32	105	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	2,4-Dichlorophenol	n/a	=	7.52	µg/L	EPA 8270C	0.51	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	2,4-Dichlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	32	105	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	2,4-Dichlorophenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-2	000NONPJ	srgt matrix spike	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	srgt matrix spike dup	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	srgt matrix spike	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	srgt matrix spike dup	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	srgt method blank	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.02	µg/L	EPA 515.3	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	srgt LCS	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.95	µg/L	EPA 515.3	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/3/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-2	ME-CC	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.96	µg/L	EPA 515.3	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-2	ME-VR2	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.8	µg/L	EPA 515.3	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-CAM	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-FIL	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-HUE	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-MEI	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-MPK	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-OXN	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-SIM	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-SPA	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-THO	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	MO-VEN	srgt environ	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/4/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	method blank	12/10/2016	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2,4-Dimethylphenol	n/a	=	17.8	µg/L	EPA 625	0.3	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2,4-Dimethylphenol	n/a	=	71	%	EPA 625	-88	-88	32	119	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2,4-Dimethylphenol	n/a	=	17.1	µg/L	EPA 625	0.3	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2,4-Dimethylphenol	n/a	=	68	%	EPA 625	-88	-88	32	119	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2,4-Dimethylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/14/2016	Organic	2,4-Dimethylphenol	n/a	=	18.4	µg/L	EPA 625	0.3	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2,4-Dimethylphenol	n/a	=	74	%	EPA 625	-88	-88	32	119	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2,4-Dimethylphenol	n/a	=	18.2	µg/L	EPA 625	0.3	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2,4-Dimethylphenol	n/a	=	73	%	EPA 625	-88	-88	32	119	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2,4-Dimethylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS	12/21/2016	Organic	2,4-Dimethylphenol	n/a	=	4.69	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	2,4-Dimethylphenol	n/a	=	47	%	EPA 8270C	-88	-88	31	97	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	2,4-Dimethylphenol	n/a	=	5.93	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	2,4-Dimethylphenol	n/a	=	59	%	EPA 8270C	-88	-88	31	97	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	2,4-Dimethylphenol	n/a	=	23	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-2	Lab	LCS	12/10/2016	Organic	2,4-Dinitrophenol	n/a	=	12.9	µg/L	EPA 625	1.6	10			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2,4-Dinitrophenol	n/a	=	52	%	EPA 625	-88	-88	0.1	191	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2,4-Dinitrophenol	n/a	=	12.1	µg/L	EPA 625	1.6	10			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2,4-Dinitrophenol	n/a	=	48	%	EPA 625	-88	-88	0.1	191	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2,4-Dinitrophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	5			
2016/17-2	Lab	LCS	12/14/2016	Organic	2,4-Dinitrophenol	n/a	=	15.3	µg/L	EPA 625	1.6	10			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2,4-Dinitrophenol	n/a	=	61	%	EPA 625	-88	-88	0.1	191	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2,4-Dinitrophenol	n/a	=	13	µg/L	EPA 625	1.6	10			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2,4-Dinitrophenol	n/a	=	52	%	EPA 625	-88	-88	0.1	191	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2,4-Dinitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS	12/21/2016	Organic	2,4-Dinitrophenol	n/a	=	9.43	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	2,4-Dinitrophenol	n/a	=	94	%	EPA 8270C	-88	-88	7	155	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	2,4-Dinitrophenol	n/a	=	6.99	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	2,4-Dinitrophenol	n/a	=	70	%	EPA 8270C	-88	-88	7	155	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	2,4-Dinitrophenol	n/a	=	30	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2,4-Dinitrotoluene	n/a	=	24.7	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2,4-Dinitrotoluene	n/a	=	99	%	EPA 625	-88	-88	39	139	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2,4-Dinitrotoluene	n/a	=	22.8	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2,4-Dinitrotoluene	n/a	=	91	%	EPA 625	-88	-88	39	139	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2,4-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	2,4-Dinitrotoluene	n/a	=	22.3	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2,4-Dinitrotoluene	n/a	=	89	%	EPA 625	-88	-88	39	139	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2,4-Dinitrotoluene	n/a	=	21.3	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625	-88	-88	39	139	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	2,6-Dimethylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	method blank	12/10/2016	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2,6-Dinitrotoluene	n/a	=	27.6	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2,6-Dinitrotoluene	n/a	=	110	%	EPA 625	-88	-88	50	158	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2,6-Dinitrotoluene	n/a	=	24.8	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2,6-Dinitrotoluene	n/a	=	99	%	EPA 625	-88	-88	50	158	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2,6-Dinitrotoluene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	2,6-Dinitrotoluene	n/a	=	22.4	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2,6-Dinitrotoluene	n/a	=	90	%	EPA 625	-88	-88	50	158	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2,6-Dinitrotoluene	n/a	=	20.9	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2,6-Dinitrotoluene	n/a	=	84	%	EPA 625	-88	-88	50	158	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2,6-Dinitrotoluene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	LCS	11/22/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	43.9	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS, rec	11/22/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	88	%	EPA 624	-88	-88	0.1	305	
2016/17-2	Lab	LCS dup	11/22/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	43.6	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS dup, rec	11/22/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	87	%	EPA 624	-88	-88	0.1	305	
2016/17-2	Lab	LCS, RPD	11/22/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	0.8	%	EPA 624	-88	-88	0	25	
2016/17-2	Lab	method blank	11/23/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS	11/24/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	50.1	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS, rec	11/24/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	100	%	EPA 624	-88	-88	0.1	305	
2016/17-2	Lab	LCS dup	11/24/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	48.5	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS dup, rec	11/24/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	97	%	EPA 624	-88	-88	0.1	305	
2016/17-2	Lab	LCS, RPD	11/24/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	3	%	EPA 624	-88	-88	0	25	
2016/17-2	Lab	method blank	11/24/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS dup	11/27/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	51.4	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS dup, rec	11/27/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	103	%	EPA 624	-88	-88	0.1	305	
2016/17-2	Lab	LCS, RPD	11/27/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-2	Lab	LCS	11/27/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	50.5	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	LCS, rec	11/27/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	101	%	EPA 624	-88	-88	0.1	305	
2016/17-2	Lab	method blank	11/27/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-2	Lab	method blank	12/10/2016	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2-Chloronaphthalene	n/a	=	26.6	µg/L	EPA 625	0.45	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2-Chloronaphthalene	n/a	=	106	%	EPA 625	-88	-88	60	118	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2-Chloronaphthalene	n/a	=	24.5	µg/L	EPA 625	0.45	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2-Chloronaphthalene	n/a	=	98	%	EPA 625	-88	-88	60	118	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2-Chloronaphthalene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	2-Chloronaphthalene	n/a	=	22.1	µg/L	EPA 625	0.45	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2-Chloronaphthalene	n/a	=	89	%	EPA 625	-88	-88	60	118	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2-Chloronaphthalene	n/a	=	20	µg/L	EPA 625	0.45	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2-Chloronaphthalene	n/a	=	80	%	EPA 625	-88	-88	60	118	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2-Chloronaphthalene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2-Chlorophenol	n/a	=	23.5	µg/L	EPA 625	0.28	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2-Chlorophenol	n/a	=	94	%	EPA 625	-88	-88	23	134	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2-Chlorophenol	n/a	=	21.6	µg/L	EPA 625	0.28	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2-Chlorophenol	n/a	=	87	%	EPA 625	-88	-88	23	134	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2-Chlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	2-Chlorophenol	n/a	=	20.5	µg/L	EPA 625	0.28	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2-Chlorophenol	n/a	=	82	%	EPA 625	-88	-88	23	134	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2-Chlorophenol	n/a	=	18.5	µg/L	EPA 625	0.28	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2-Chlorophenol	n/a	=	74	%	EPA 625	-88	-88	23	134	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2-Chlorophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	2-Chlorophenol	n/a	=	5.59	µg/L	EPA 8270C	0.65	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	2-Chlorophenol	n/a	=	56	%	EPA 8270C	-88	-88	27	90	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	2-Chlorophenol	n/a	=	6.83	µg/L	EPA 8270C	0.65	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	2-Chlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	27	90	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	2-Chlorophenol	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	srgt method blank	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2016/17-2	Lab	srgt LCS	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	24.7	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	99	%	EPA 625	-88	-88	22	107	
2016/17-2	Lab	srgt LCS dup	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 625	-88	-88	22	107	
2016/17-2	Lab	srgt method blank	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2016/17-2	Lab	srgt LCS	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2016/17-2	Lab	srgt LCS dup	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2016/17-2	Lab	srgt method blank	12/15/2016	Organic	2-Fluorobiphenyl	n/a	=	19	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/15/2016	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2016/17-2	Lab	srgt LCS	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.29	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270C	-88	-88	51	139	
2016/17-2	Lab	srgt LCS dup	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.85	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270C	-88	-88	51	139	
2016/17-2	ME-CC	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2016/17-2	ME-CC	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2016/17-2	ME-VR2	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2016/17-2	ME-VR2	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.42	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-CAM	srgt environ	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-CAM	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.74	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-FIL	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-FIL	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.3	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-HUE	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-HUE	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.61	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-MPK	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-MPK	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-MPK	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.83	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-OXN	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-OXN	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.43	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-SIM	srgt environ	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-SIM	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.21	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-SPA	srgt environ	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-SPA	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	4.08	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-THO	srgt environ	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	11.4	µg/L	EPA 625	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/14/2016	Organic	2-Fluorobiphenyl	n/a	=	45	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-THO	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	2.97	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2016/17-2	MO-VEN	srgt environ	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/10/2016	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2016/17-2	MO-VEN	srgt environ	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	3.45	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/16/2016	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2016/17-2	Lab	srgt method blank	12/10/2016	Organic	2-Fluorophenol	n/a	=	28.7	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	57	%	EPA 625	-88	-88	3	74	
2016/17-2	Lab	srgt LCS	12/10/2016	Organic	2-Fluorophenol	n/a	=	29.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	60	%	EPA 625	-88	-88	3	74	
2016/17-2	Lab	srgt LCS dup	12/10/2016	Organic	2-Fluorophenol	n/a	=	27.2	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625	-88	-88	3	74	
2016/17-2	Lab	srgt method blank	12/14/2016	Organic	2-Fluorophenol	n/a	=	29.6	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	59	%	EPA 625	-88	-88	3	74	
2016/17-2	Lab	srgt LCS	12/14/2016	Organic	2-Fluorophenol	n/a	=	27.4	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2016/17-2	Lab	srgt LCS dup	12/14/2016	Organic	2-Fluorophenol	n/a	=	26.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625	-88	-88	3	74	
2016/17-2	Lab	srgt method blank	12/21/2016	Organic	2-Fluorophenol	n/a	=	25.2	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270C	-88	-88	11	62	
2016/17-2	Lab	srgt LCS	12/21/2016	Organic	2-Fluorophenol	n/a	=	3.44	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	34	%	EPA 8270C	-88	-88	11	62	
2016/17-2	Lab	srgt LCS dup	12/21/2016	Organic	2-Fluorophenol	n/a	=	4.36	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2016/17-2	ME-CC	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2016/17-2	ME-CC	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	3.58	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2016/17-2	ME-VR2	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	24	µg/L	EPA 625	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	ME-VR2	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	4.32	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-CAM	srgt environ	12/10/2016	Organic	2-Fluorophenol	n/a	=	21	µg/L	EPA 625	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-CAM	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	1.65	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	16	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-FIL	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	24.5	µg/L	EPA 625	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-FIL	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	2.25	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	22	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-HUE	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-HUE	srgt environ	12/22/2016	Organic	2-Fluorophenol	n/a	=	0.2	µg/L	EPA 8270C	-88	-88			GN
2016/17-2	MO-HUE	srgt environ, rec	12/22/2016	Organic	2-Fluorophenol	n/a	=	2	%	EPA 8270C	-88	-88	11	62	GN
2016/17-2	MO-MPK	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	38	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-MPK	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-2	MO-MPK	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2016/17-2	MO-OXN	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	32	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-OXN	srgt environ	12/22/2016	Organic	2-Fluorophenol	n/a	=	2.2	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/22/2016	Organic	2-Fluorophenol	n/a	=	22	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-SIM	srgt environ	12/10/2016	Organic	2-Fluorophenol	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-SIM	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	2	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	20	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-SPA	srgt environ	12/10/2016	Organic	2-Fluorophenol	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-SPA	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	1.65	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	16	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-THO	srgt environ	12/14/2016	Organic	2-Fluorophenol	n/a	=	15	µg/L	EPA 625	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/14/2016	Organic	2-Fluorophenol	n/a	=	30	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-THO	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	1.65	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	16	%	EPA 8270C	-88	-88	11	62	
2016/17-2	MO-VEN	srgt environ	12/10/2016	Organic	2-Fluorophenol	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/10/2016	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2016/17-2	MO-VEN	srgt environ	12/21/2016	Organic	2-Fluorophenol	n/a	=	1	µg/L	EPA 8270C	-88	-88			GN
2016/17-2	MO-VEN	srgt environ, rec	12/21/2016	Organic	2-Fluorophenol	n/a	=	10	%	EPA 8270C	-88	-88	11	62	GN
2016/17-2	Lab	method blank	12/15/2016	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	method blank	12/21/2016	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-2	Lab	method blank	12/10/2016	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	2-Nitrophenol	n/a	=	24.4	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	2-Nitrophenol	n/a	=	97	%	EPA 625	-88	-88	29	182	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	2-Nitrophenol	n/a	=	22	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	2-Nitrophenol	n/a	=	88	%	EPA 625	-88	-88	29	182	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	2-Nitrophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/14/2016	Organic	2-Nitrophenol	n/a	=	20.6	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	2-Nitrophenol	n/a	=	82	%	EPA 625	-88	-88	29	182	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	2-Nitrophenol	n/a	=	19.6	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	2-Nitrophenol	n/a	=	78	%	EPA 625	-88	-88	29	182	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	2-Nitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	2-Nitrophenol	n/a	=	6.35	µg/L	EPA 8270C	0.71	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	2-Nitrophenol	n/a	=	64	%	EPA 8270C	-88	-88	33	103	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	2-Nitrophenol	n/a	=	7.22	µg/L	EPA 8270C	0.71	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	2-Nitrophenol	n/a	=	72	%	EPA 8270C	-88	-88	33	103	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	2-Nitrophenol	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-2	Lab	LCS	12/10/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	9.48	µg/L	EPA 625	1.2	5			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	38	%	EPA 625	-88	-88	0.1	262	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	12.2	µg/L	EPA 625	1.2	5			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	49	%	EPA 625	-88	-88	0.1	262	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	25	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-2	Lab	LCS	12/14/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	19.3	µg/L	EPA 625	1.2	5			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	77	%	EPA 625	-88	-88	0.1	262	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	19.2	µg/L	EPA 625	1.2	5			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	77	%	EPA 625	-88	-88	0.1	262	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-2	Lab	method blank	12/10/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-2	Lab	LCS	12/10/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	18.2	µg/L	EPA 625	1.7	5			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	73	%	EPA 625	-88	-88	0.1	181	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	16.8	µg/L	EPA 625	1.7	5			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	67	%	EPA 625	-88	-88	0.1	181	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-2	Lab	LCS	12/14/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.2	µg/L	EPA 625	1.7	5			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	81	%	EPA 625	-88	-88	0.1	181	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	19.6	µg/L	EPA 625	1.7	5			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	78	%	EPA 625	-88	-88	0.1	181	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.63	µg/L	EPA 8270C	0.14	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	86	%	EPA 8270C	-88	-88	33	118	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.22	µg/L	EPA 8270C	0.14	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	82	%	EPA 8270C	-88	-88	33	118	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	srgt LCS	11/22/2016	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/22/2016	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt LCS dup	11/22/2016	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/22/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt method blank	11/23/2016	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	srgt method blank, rec	11/23/2016	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt LCS	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt LCS dup	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt method blank	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt LCS dup	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt LCS	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	52.5	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt method blank	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-2	Lab	srgt LCS	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2016/17-2	Lab	srgt LCS dup	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2016/17-2	Lab	srgt method blank	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	55	µg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	110	%	EPA 8015B	-88	-88	72	124	
2016/17-2	Lab	srgt LCS	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2016/17-2	Lab	srgt LCS dup	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2016/17-2	Lab	srgt method blank	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 8015B	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 8015B	-88	-88	72	124	
2016/17-2	ME-CC	srgt environ	11/23/2016	Organic	4-Bromofluorobenzene	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	11/23/2016	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2016/17-2	ME-CC	srgt environ	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2016/17-2	ME-VR2	srgt environ	11/23/2016	Organic	4-Bromofluorobenzene	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	11/23/2016	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2016/17-2	ME-VR2	srgt environ	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-CAM	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	47.1	µg/L	EPA 624	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-CAM	srgt environ	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-FIL	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-FIL	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-HUE	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	46.5	µg/L	EPA 624	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-HUE	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-MEI	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	48.9	µg/L	EPA 624	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-MEI	srgt environ	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-MPK	srgt environ	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	11/27/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-MPK	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-OJA	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-OJA	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-OJA	srgt environ	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-OJA	srgt environ, rec	11/30/2016	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-OXN	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 624	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-OXN	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	55	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	110	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-SIM	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-SIM	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-SPA	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-SPA	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-THO	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-THO	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2016/17-2	MO-VEN	srgt environ	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	47.8	µg/L	EPA 624	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	11/24/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2016/17-2	MO-VEN	srgt environ	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/1/2016	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2016/17-2	Lab	method blank	12/10/2016	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	53	127	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	19.6	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	53	127	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	19.2	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	53	127	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	18.1	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	73	%	EPA 625	-88	-88	53	127	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	4-Chloro-3-methylphenol	n/a	=	28.2	µg/L	EPA 625	0.23	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	4-Chloro-3-methylphenol	n/a	=	113	%	EPA 625	-88	-88	22	147	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	4-Chloro-3-methylphenol	n/a	=	25.3	µg/L	EPA 625	0.23	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	4-Chloro-3-methylphenol	n/a	=	101	%	EPA 625	-88	-88	22	147	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	4-Chloro-3-methylphenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	4-Chloro-3-methylphenol	n/a	=	24.1	µg/L	EPA 625	0.23	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	4-Chloro-3-methylphenol	n/a	=	96	%	EPA 625	-88	-88	22	147	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	4-Chloro-3-methylphenol	n/a	=	22.3	µg/L	EPA 625	0.23	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	4-Chloro-3-methylphenol	n/a	=	89	%	EPA 625	-88	-88	22	147	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	4-Chloro-3-methylphenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	4-Chloro-3-methylphenol	n/a	=	7.38	µg/L	EPA 8270C	0.37	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 8270C	-88	-88	29	108	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	4-Chloro-3-methylphenol	n/a	=	8.1	µg/L	EPA 8270C	0.37	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 8270C	-88	-88	29	108	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	4-Chloro-3-methylphenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	24.5	µg/L	EPA 625	0.41	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	98	%	EPA 625	-88	-88	25	158	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	23.3	µg/L	EPA 625	0.41	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	93	%	EPA 625	-88	-88	25	158	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.5	µg/L	EPA 625	0.41	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	90	%	EPA 625	-88	-88	25	158	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.7	µg/L	EPA 625	0.41	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	25	158	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-2	Lab	LCS	12/10/2016	Organic	4-Nitrophenol	n/a	=	9.49	µg/L	EPA 625	0.45	5			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	4-Nitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	132	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	4-Nitrophenol	n/a	=	9.51	µg/L	EPA 625	0.45	5			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	4-Nitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	132	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	4-Nitrophenol	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-2	Lab	LCS	12/14/2016	Organic	4-Nitrophenol	n/a	=	10.1	µg/L	EPA 625	0.45	5			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	4-Nitrophenol	n/a	=	41	%	EPA 625	-88	-88	0.1	132	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	4-Nitrophenol	n/a	=	9.65	µg/L	EPA 625	0.45	5			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	4-Nitrophenol	n/a	=	39	%	EPA 625	-88	-88	0.1	132	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	4-Nitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS	12/21/2016	Organic	4-Nitrophenol	n/a	=	3.64	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270C	-88	-88	6	46	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	4-Nitrophenol	n/a	=	3.55	µg/L	EPA 8270C	1	2			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270C	-88	-88	6	46	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	4-Nitrophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Acenaphthene	n/a	=	25.3	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Acenaphthene	n/a	=	101	%	EPA 625	-88	-88	47	145	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Acenaphthene	n/a	=	23.6	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Acenaphthene	n/a	=	94	%	EPA 625	-88	-88	47	145	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Acenaphthene	n/a	=	22.8	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Acenaphthene	n/a	=	91	%	EPA 625	-88	-88	47	145	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Acenaphthene	n/a	=	20.2	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Acenaphthene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Acenaphthene	n/a	=	7.83	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Acenaphthene	n/a	=	78	%	EPA 8270C	-88	-88	11	122	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Acenaphthene	n/a	=	8.46	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Acenaphthene	n/a	=	85	%	EPA 8270C	-88	-88	11	122	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Acenaphthene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Acenaphthylene	n/a	=	28.9	µg/L	EPA 625	0.4	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Acenaphthylene	n/a	=	116	%	EPA 625	-88	-88	33	145	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Acenaphthylene	n/a	=	26	µg/L	EPA 625	0.4	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Acenaphthylene	n/a	=	104	%	EPA 625	-88	-88	33	145	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Acenaphthylene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Acenaphthylene	n/a	=	23.6	µg/L	EPA 625	0.4	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Acenaphthylene	n/a	=	94	%	EPA 625	-88	-88	33	145	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Acenaphthylene	n/a	=	21.1	µg/L	EPA 625	0.4	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Acenaphthylene	n/a	=	84	%	EPA 625	-88	-88	33	145	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Acenaphthylene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Acenaphthylene	n/a	=	7.81	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Acenaphthylene	n/a	=	78	%	EPA 8270C	-88	-88	4	135	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Acenaphthylene	n/a	=	9	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Acenaphthylene	n/a	=	90	%	EPA 8270C	-88	-88	4	135	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Acenaphthylene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Anthracene	n/a	=	24.9	µg/L	EPA 625	0.34	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Anthracene	n/a	=	99	%	EPA 625	-88	-88	27	133	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Anthracene	n/a	=	23.9	µg/L	EPA 625	0.34	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Anthracene	n/a	=	96	%	EPA 625	-88	-88	27	133	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Anthracene	n/a	=	22.7	µg/L	EPA 625	0.34	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Anthracene	n/a	=	91	%	EPA 625	-88	-88	27	133	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Anthracene	n/a	=	22.3	µg/L	EPA 625	0.34	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Anthracene	n/a	=	89	%	EPA 625	-88	-88	27	133	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Anthracene	n/a	=	8.11	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Anthracene	n/a	=	81	%	EPA 8270C	-88	-88	22	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Anthracene	n/a	=	8.46	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Anthracene	n/a	=	85	%	EPA 8270C	-88	-88	22	127	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Anthracene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Benz(a)anthracene	n/a	=	17.7	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Benz(a)anthracene	n/a	=	71	%	EPA 625	-88	-88	33	143	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Benz(a)anthracene	n/a	=	19.8	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 625	-88	-88	33	143	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Benz(a)anthracene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Benz(a)anthracene	n/a	=	25.2	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Benz(a)anthracene	n/a	=	101	%	EPA 625	-88	-88	33	143	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Benz(a)anthracene	n/a	=	25.3	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Benz(a)anthracene	n/a	=	101	%	EPA 625	-88	-88	33	143	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Benz(a)anthracene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Benz(a)anthracene	n/a	=	8.09	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Benz(a)anthracene	n/a	=	81	%	EPA 8270C	-88	-88	17	131	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Benz(a)anthracene	n/a	=	7.48	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Benz(a)anthracene	n/a	=	75	%	EPA 8270C	-88	-88	17	131	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Benz(a)anthracene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-2	Lab	method blank	12/14/2016	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	5			
2016/17-2	Lab	method blank	12/5/2016	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-2	Lab	LCS	12/5/2016	Organic	Benzo(a)pyrene	n/a	=	4.86	µg/L	EPA 525.2	0.07	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	40	147	
2016/17-2	Lab	LCS dup	12/5/2016	Organic	Benzo(a)pyrene	n/a	=	5.18	µg/L	EPA 525.2	0.07	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Organic	Benzo(a)pyrene	n/a	=	104	%	EPA 525.2	-88	-88	40	147	
2016/17-2	Lab	LCS, RPD	12/5/2016	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Benzo(a)pyrene	n/a	=	24.6	µg/L	EPA 625	0.13	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 625	-88	-88	17	163	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Benzo(a)pyrene	n/a	=	26.4	µg/L	EPA 625	0.13	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Benzo(a)pyrene	n/a	=	106	%	EPA 625	-88	-88	17	163	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Benzo(a)pyrene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Benzo(a)pyrene	n/a	=	27.5	µg/L	EPA 625	0.13	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Benzo(a)pyrene	n/a	=	110	%	EPA 625	-88	-88	17	163	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Benzo(a)pyrene	n/a	=	22.9	µg/L	EPA 625	0.13	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 625	-88	-88	17	163	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Benzo(a)pyrene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Benzo(a)pyrene	n/a	=	8.28	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Benzo(a)pyrene	n/a	=	83	%	EPA 8270C	-88	-88	12	131	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Benzo(a)pyrene	n/a	=	7.88	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Benzo(a)pyrene	n/a	=	79	%	EPA 8270C	-88	-88	12	131	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/10/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Benzo(b)fluoranthene	n/a	=	25.5	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Benzo(b)fluoranthene	n/a	=	102	%	EPA 625	-88	-88	24	159	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Benzo(b)fluoranthene	n/a	=	27.9	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Benzo(b)fluoranthene	n/a	=	112	%	EPA 625	-88	-88	24	159	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Benzo(b)fluoranthene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Benzo(b)fluoranthene	n/a	=	28.4	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Benzo(b)fluoranthene	n/a	=	113	%	EPA 625	-88	-88	24	159	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Benzo(b)fluoranthene	n/a	=	24.3	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Benzo(b)fluoranthene	n/a	=	97	%	EPA 625	-88	-88	24	159	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Benzo(b)fluoranthene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Benzo(b)fluoranthene	n/a	=	8.41	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	19	129	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Benzo(b)fluoranthene	n/a	=	8.48	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Benzo(b)fluoranthene	n/a	=	85	%	EPA 8270C	-88	-88	19	129	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Benzo(b)fluoranthene	n/a	=	0.9	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Benzo(e)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	method blank	12/10/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-2	Lab	LCS	12/10/2016	Organic	Benzo(g,h,i)perylene	n/a	=	21.4	µg/L	EPA 625	0.1	2			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Benzo(g,h,i)perylene	n/a	=	86	%	EPA 625	-88	-88	0.1	219	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Benzo(g,h,i)perylene	n/a	=	16.1	µg/L	EPA 625	0.1	2			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Benzo(g,h,i)perylene	n/a	=	64	%	EPA 625	-88	-88	0.1	219	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Benzo(g,h,i)perylene	n/a	=	29	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-2	Lab	LCS	12/14/2016	Organic	Benzo(g,h,i)perylene	n/a	=	18.2	µg/L	EPA 625	0.1	2			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Benzo(g,h,i)perylene	n/a	=	73	%	EPA 625	-88	-88	0.1	219	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Benzo(g,h,i)perylene	n/a	=	19.7	µg/L	EPA 625	0.1	2			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Benzo(g,h,i)perylene	n/a	=	79	%	EPA 625	-88	-88	0.1	219	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Benzo(g,h,i)perylene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Benzo(g,h,i)perylene	n/a	=	8.46	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Benzo(g,h,i)perylene	n/a	=	85	%	EPA 8270C	-88	-88	14	139	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Benzo(g,h,i)perylene	n/a	=	8.13	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Benzo(g,h,i)perylene	n/a	=	81	%	EPA 8270C	-88	-88	14	139	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Benzo(k)fluoranthene	n/a	=	27.4	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Benzo(k)fluoranthene	n/a	=	110	%	EPA 625	-88	-88	11	162	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Benzo(k)fluoranthene	n/a	=	26.2	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Benzo(k)fluoranthene	n/a	=	105	%	EPA 625	-88	-88	11	162	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Benzo(k)fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Benzo(k)fluoranthene	n/a	=	30.4	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Benzo(k)fluoranthene	n/a	=	122	%	EPA 625	-88	-88	11	162	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Benzo(k)fluoranthene	n/a	=	24.1	µg/L	EPA 625	0.22	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Benzo(k)fluoranthene	n/a	=	97	%	EPA 625	-88	-88	11	162	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Benzo(k)fluoranthene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Benzo(k)fluoranthene	n/a	=	8.92	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Benzo(k)fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Benzo(k)fluoranthene	n/a	=	8.51	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Benzo(k)fluoranthene	n/a	=	85	%	EPA 8270C	-88	-88	22	127	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Benzo(k)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Biphenyl	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	method blank	12/10/2016	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	23.9	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	96	%	EPA 625	-88	-88	33	184	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	22.6	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	91	%	EPA 625	-88	-88	33	184	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	21	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	84	%	EPA 625	-88	-88	33	184	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.3	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	81	%	EPA 625	-88	-88	33	184	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	23.6	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	94	%	EPA 625	-88	-88	12	158	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	21.8	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	87	%	EPA 625	-88	-88	12	158	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	21.2	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	85	%	EPA 625	-88	-88	12	158	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625	0.27	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625	-88	-88	12	158	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.5	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	94	%	EPA 625	-88	-88	36	166	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.8	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	87	%	EPA 625	-88	-88	36	166	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.8	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	87	%	EPA 625	-88	-88	36	166	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.8	µg/L	EPA 625	0.38	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	83	%	EPA 625	-88	-88	36	166	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-2	Lab	LCS	12/5/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.1	µg/L	EPA 525.2	0.1	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, rec	12/5/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	102	%	EPA 525.2	-88	-88	71	158	
2016/17-2	Lab	LCS dup	12/5/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.19	µg/L	EPA 525.2	0.1	5			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	104	%	EPA 525.2	-88	-88	71	158	
2016/17-2	Lab	LCS, RPD	12/5/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-2	Lab	LCS	12/5/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.58	µg/L	EPA 525.2	1.1	3			
2016/17-2	Lab	LCS, rec	12/5/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	112	%	EPA 525.2	-88	-88	68	154	
2016/17-2	Lab	LCS dup	12/5/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.71	µg/L	EPA 525.2	1.1	3			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	114	%	EPA 525.2	-88	-88	68	154	
2016/17-2	Lab	LCS, RPD	12/5/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-2	Lab	LCS	12/10/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.4	µg/L	EPA 625	2.3	5			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	78	%	EPA 625	-88	-88	8	158	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.8	µg/L	EPA 625	2.3	5			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	79	%	EPA 625	-88	-88	8	158	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-2	Lab	LCS	12/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.8	µg/L	EPA 625	2.3	5			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	95	%	EPA 625	-88	-88	8	158	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.7	µg/L	EPA 625	2.3	5			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	95	%	EPA 625	-88	-88	8	158	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Butyl benzyl phthalate	n/a	=	17.3	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Butyl benzyl phthalate	n/a	=	69	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Butyl benzyl phthalate	n/a	=	18.4	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Butyl benzyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Butyl benzyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Butyl benzyl phthalate	n/a	=	24	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Butyl benzyl phthalate	n/a	=	96	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Butyl benzyl phthalate	n/a	=	23.5	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Butyl benzyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Butyl benzyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Chrysene	n/a	=	26.1	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Chrysene	n/a	=	104	%	EPA 625	-88	-88	17	168	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Chrysene	n/a	=	26.7	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Chrysene	n/a	=	107	%	EPA 625	-88	-88	17	168	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Chrysene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Chrysene	n/a	=	24.4	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Chrysene	n/a	=	98	%	EPA 625	-88	-88	17	168	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Chrysene	n/a	=	23	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Chrysene	n/a	=	92	%	EPA 625	-88	-88	17	168	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Chrysene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/16/2016	Organic	Chrysene	n/a	=	8.54	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Chrysene	n/a	=	85	%	EPA 8270C	-88	-88	32	126	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Chrysene	n/a	=	8.99	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Chrysene	n/a	=	90	%	EPA 8270C	-88	-88	32	126	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Chrysene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-2	Lab	LCS	12/10/2016	Organic	Dibenz(a,h)anthracene	n/a	=	10.4	µg/L	EPA 625	0.08	2			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Dibenz(a,h)anthracene	n/a	=	42	%	EPA 625	-88	-88	0.1	227	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Dibenz(a,h)anthracene	n/a	=	8.18	µg/L	EPA 625	0.08	2			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Dibenz(a,h)anthracene	n/a	=	33	%	EPA 625	-88	-88	0.1	227	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Dibenz(a,h)anthracene	n/a	=	24	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-2	Lab	LCS	12/14/2016	Organic	Dibenz(a,h)anthracene	n/a	=	9.54	µg/L	EPA 625	0.08	2			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Dibenz(a,h)anthracene	n/a	=	38	%	EPA 625	-88	-88	0.1	227	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Dibenz(a,h)anthracene	n/a	=	10.6	µg/L	EPA 625	0.08	2			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Dibenz(a,h)anthracene	n/a	=	42	%	EPA 625	-88	-88	0.1	227	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Dibenz(a,h)anthracene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Dibenz(a,h)anthracene	n/a	=	4.42	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Dibenz(a,h)anthracene	n/a	=	44	%	EPA 8270C	-88	-88	9	147	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Dibenz(a,h)anthracene	n/a	=	4.51	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Dibenz(a,h)anthracene	n/a	=	45	%	EPA 8270C	-88	-88	9	147	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Dibenz(a,h)anthracene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Diethyl phthalate	n/a	=	25.8	µg/L	EPA 625	0.15	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Diethyl phthalate	n/a	=	103	%	EPA 625	-88	-88	0.1	114	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Diethyl phthalate	n/a	=	24.4	µg/L	EPA 625	0.15	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Diethyl phthalate	n/a	=	98	%	EPA 625	-88	-88	0.1	114	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Diethyl phthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Diethyl phthalate	n/a	=	24.2	µg/L	EPA 625	0.15	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Diethyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	114	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Diethyl phthalate	n/a	=	22.7	µg/L	EPA 625	0.15	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Diethyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	114	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Diethyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Dimethyl phthalate	n/a	=	28.7	µg/L	EPA 625	0.18	1			EUM
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Dimethyl phthalate	n/a	=	115	%	EPA 625	-88	-88	0.1	112	EUM
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Dimethyl phthalate	n/a	=	26.1	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Dimethyl phthalate	n/a	=	105	%	EPA 625	-88	-88	0.1	112	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Dimethyl phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Dimethyl phthalate	n/a	=	23.5	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Dimethyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	112	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Dimethyl phthalate	n/a	=	21.6	µg/L	EPA 625	0.18	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Dimethyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	112	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Dimethyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/10/2016	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Di-n-butylphthalate	n/a	=	25.5	µg/L	EPA 625	0.24	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Di-n-butylphthalate	n/a	=	102	%	EPA 625	-88	-88	1	118	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Di-n-butylphthalate	n/a	=	25.6	µg/L	EPA 625	0.24	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Di-n-butylphthalate	n/a	=	102	%	EPA 625	-88	-88	1	118	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Di-n-butylphthalate	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Di-n-butylphthalate	n/a	=	24.6	µg/L	EPA 625	0.24	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Di-n-butylphthalate	n/a	=	98	%	EPA 625	-88	-88	1	118	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Di-n-butylphthalate	n/a	=	25.2	µg/L	EPA 625	0.24	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Di-n-butylphthalate	n/a	=	101	%	EPA 625	-88	-88	1	118	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Di-n-butylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Di-n-octylphthalate	n/a	=	24.5	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Di-n-octylphthalate	n/a	=	98	%	EPA 625	-88	-88	4	146	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Di-n-octylphthalate	n/a	=	24.7	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Di-n-octylphthalate	n/a	=	99	%	EPA 625	-88	-88	4	146	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Di-n-octylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Di-n-octylphthalate	n/a	=	27.6	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Di-n-octylphthalate	n/a	=	110	%	EPA 625	-88	-88	4	146	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Di-n-octylphthalate	n/a	=	25	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Di-n-octylphthalate	n/a	=	100	%	EPA 625	-88	-88	4	146	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Di-n-octylphthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Fluoranthene	n/a	=	23.3	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Fluoranthene	n/a	=	93	%	EPA 625	-88	-88	26	137	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Fluoranthene	n/a	=	23.7	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Fluoranthene	n/a	=	95	%	EPA 625	-88	-88	26	137	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Fluoranthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Fluoranthene	n/a	=	23.4	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Fluoranthene	n/a	=	94	%	EPA 625	-88	-88	26	137	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Fluoranthene	n/a	=	23.9	µg/L	EPA 625	0.22	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Fluoranthene	n/a	=	96	%	EPA 625	-88	-88	26	137	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Fluoranthene	n/a	=	8.29	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Fluoranthene	n/a	=	83	%	EPA 8270C	-88	-88	22	131	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Fluoranthene	n/a	=	8.25	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Fluoranthene	n/a	=	82	%	EPA 8270C	-88	-88	22	131	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Fluoranthene	n/a	=	0.5	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Fluorene	n/a	=	25.4	µg/L	EPA 625	0.35	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Fluorene	n/a	=	102	%	EPA 625	-88	-88	59	121	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Fluorene	n/a	=	23.9	µg/L	EPA 625	0.35	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Fluorene	n/a	=	96	%	EPA 625	-88	-88	59	121	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Fluorene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Fluorene	n/a	=	23.1	µg/L	EPA 625	0.35	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Fluorene	n/a	=	92	%	EPA 625	-88	-88	59	121	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Fluorene	n/a	=	21.2	µg/L	EPA 625	0.35	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Fluorene	n/a	=	85	%	EPA 625	-88	-88	59	121	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Fluorene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Fluorene	n/a	=	8.16	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Fluorene	n/a	=	82	%	EPA 8270C	-88	-88	19	122	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Fluorene	n/a	=	8.54	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Fluorene	n/a	=	85	%	EPA 8270C	-88	-88	19	122	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Fluorene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Hexachlorobenzene	n/a	=	20.9	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Hexachlorobenzene	n/a	=	83	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Hexachlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Hexachlorobenzene	n/a	=	79	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Hexachlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Hexachlorobenzene	n/a	=	19.3	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Hexachlorobenzene	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Hexachlorobenzene	n/a	=	18.3	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Hexachlorobenzene	n/a	=	73	%	EPA 625	-88	-88	0.1	152	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Hexachlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Hexachlorobutadiene	n/a	=	21.9	µg/L	EPA 625	0.47	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Hexachlorobutadiene	n/a	=	88	%	EPA 625	-88	-88	24	116	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Hexachlorobutadiene	n/a	=	20.6	µg/L	EPA 625	0.47	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Hexachlorobutadiene	n/a	=	83	%	EPA 625	-88	-88	24	116	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Hexachlorobutadiene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Hexachlorobutadiene	n/a	=	20.1	µg/L	EPA 625	0.47	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Hexachlorobutadiene	n/a	=	80	%	EPA 625	-88	-88	24	116	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Hexachlorobutadiene	n/a	=	17.8	µg/L	EPA 625	0.47	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Hexachlorobutadiene	n/a	=	71	%	EPA 625	-88	-88	24	116	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Hexachlorobutadiene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-2	Lab	LCS	12/10/2016	Organic	Hexachlorocyclopentadiene	n/a	=	18.2	µg/L	EPA 625	1.5	5			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Hexachlorocyclopentadiene	n/a	=	73	%	EPA 625	-88	-88	0.1	81	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Hexachlorocyclopentadiene	n/a	=	16.1	µg/L	EPA 625	1.5	5			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Hexachlorocyclopentadiene	n/a	=	64	%	EPA 625	-88	-88	0.1	81	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Hexachlorocyclopentadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-2	Lab	LCS	12/14/2016	Organic	Hexachlorocyclopentadiene	n/a	=	13.8	µg/L	EPA 625	1.5	5			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Hexachlorocyclopentadiene	n/a	=	55	%	EPA 625	-88	-88	0.1	81	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Hexachlorocyclopentadiene	n/a	=	11.7	µg/L	EPA 625	1.5	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Hexachlorocyclopentadiene	n/a	=	47	%	EPA 625	-88	-88	0.1	81	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Hexachlorocyclopentadiene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Hexachloroethane	n/a	=	20.4	µg/L	EPA 625	0.52	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Hexachloroethane	n/a	=	82	%	EPA 625	-88	-88	40	113	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Hexachloroethane	n/a	=	18.7	µg/L	EPA 625	0.52	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Hexachloroethane	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Hexachloroethane	n/a	=	17.9	µg/L	EPA 625	0.52	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Hexachloroethane	n/a	=	72	%	EPA 625	-88	-88	40	113	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Hexachloroethane	n/a	=	17.3	µg/L	EPA 625	0.52	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Hexachloroethane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-2	Lab	LCS	12/10/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	22.8	µg/L	EPA 625	0.12	2			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	91	%	EPA 625	-88	-88	0.1	171	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.5	µg/L	EPA 625	0.12	2			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	74	%	EPA 625	-88	-88	0.1	171	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-2	Lab	LCS	12/14/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.4	µg/L	EPA 625	0.12	2			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	77	%	EPA 625	-88	-88	0.1	171	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21.2	µg/L	EPA 625	0.12	2			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	85	%	EPA 625	-88	-88	0.1	171	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.69	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.69	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.02	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Isophorone	n/a	=	26	µg/L	EPA 625	0.21	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Isophorone	n/a	=	104	%	EPA 625	-88	-88	21	196	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Isophorone	n/a	=	24.3	µg/L	EPA 625	0.21	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Isophorone	n/a	=	97	%	EPA 625	-88	-88	21	196	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Isophorone	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Isophorone	n/a	=	23	µg/L	EPA 625	0.21	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Isophorone	n/a	=	92	%	EPA 625	-88	-88	21	196	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Isophorone	n/a	=	21.8	µg/L	EPA 625	0.21	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Isophorone	n/a	=	87	%	EPA 625	-88	-88	21	196	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Isophorone	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	LCS	11/22/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	51.1	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS, rec	11/22/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	102	%	EPA 624	-88	-88	80	128	
2016/17-2	Lab	LCS dup	11/22/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.2	µg/L	EPA 624	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	11/22/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	104	%	EPA 624	-88	-88	80	128	
2016/17-2	Lab	LCS, RPD	11/22/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-2	Lab	method blank	11/23/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS	11/24/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	53.2	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS, rec	11/24/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	106	%	EPA 624	-88	-88	80	128	
2016/17-2	Lab	LCS dup	11/24/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.4	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS dup, rec	11/24/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	105	%	EPA 624	-88	-88	80	128	
2016/17-2	Lab	LCS, RPD	11/24/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-2	Lab	method blank	11/24/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS dup	11/27/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	53.2	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS dup, rec	11/27/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	106	%	EPA 624	-88	-88	80	128	
2016/17-2	Lab	LCS, RPD	11/27/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-2	Lab	LCS	11/27/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	54.1	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	LCS, rec	11/27/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	108	%	EPA 624	-88	-88	80	128	
2016/17-2	Lab	method blank	11/27/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-2	Lab	method blank	12/10/2016	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Naphthalene	n/a	=	24	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Naphthalene	n/a	=	96	%	EPA 625	-88	-88	21	133	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Naphthalene	n/a	=	22	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Naphthalene	n/a	=	88	%	EPA 625	-88	-88	21	133	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Naphthalene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Naphthalene	n/a	=	21.4	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Naphthalene	n/a	=	85	%	EPA 625	-88	-88	21	133	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Naphthalene	n/a	=	18.9	µg/L	EPA 625	0.49	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Naphthalene	n/a	=	76	%	EPA 625	-88	-88	21	133	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Naphthalene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Naphthalene	n/a	=	6.94	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Naphthalene	n/a	=	69	%	EPA 8270C	-88	-88	12	136	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Naphthalene	n/a	=	8.31	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Naphthalene	n/a	=	83	%	EPA 8270C	-88	-88	12	136	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Naphthalene	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Nitrobenzene	n/a	=	23.3	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Nitrobenzene	n/a	=	93	%	EPA 625	-88	-88	35	180	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Nitrobenzene	n/a	=	21.4	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Nitrobenzene	n/a	=	86	%	EPA 625	-88	-88	35	180	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Nitrobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Nitrobenzene	n/a	=	20.3	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Nitrobenzene	n/a	=	81	%	EPA 625	-88	-88	35	180	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Nitrobenzene	n/a	=	19.1	µg/L	EPA 625	0.36	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Nitrobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	srgt method blank	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	srgt LCS	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	22.6	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	91	%	EPA 625	-88	-88	27	111	
2016/17-2	Lab	srgt LCS dup	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	20.6	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625	-88	-88	27	111	
2016/17-2	Lab	srgt method blank	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2016/17-2	Lab	srgt LCS	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2016/17-2	Lab	srgt LCS dup	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2016/17-2	Lab	srgt method blank	12/15/2016	Organic	Nitrobenzene-d5	n/a	=	20	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/15/2016	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 8270C	-88	-88	51	143	
2016/17-2	Lab	srgt LCS	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.82	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2016/17-2	Lab	srgt LCS dup	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	3.19	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2016/17-2	ME-CC	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2016/17-2	ME-CC	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.76	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	
2016/17-2	ME-VR2	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2016/17-2	ME-VR2	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-CAM	srgt environ	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-CAM	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	3.09	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-FIL	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-FIL	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.82	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-HUE	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-HUE	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	3.06	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-MPK	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-MPK	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.93	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-oxn	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-oxn	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-oxn	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.82	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-oxn	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-SIM	srgt environ	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-SIM	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-SIM	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-SPA	srgt environ	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-SPA	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	3.4	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-THO	srgt environ	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	11	µg/L	EPA 625	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/14/2016	Organic	Nitrobenzene-d5	n/a	=	44	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-THO	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.57	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 8270C	-88	-88	51	143	
2016/17-2	MO-VEN	srgt environ	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	15.6	µg/L	EPA 625	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/10/2016	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2016/17-2	MO-VEN	srgt environ	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	2.92	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/16/2016	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2016/17-2	Lab	method blank	12/10/2016	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	N-Nitrosodimethylamine	n/a	=	16.8	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	N-Nitrosodimethylamine	n/a	=	67	%	EPA 625	-88	-88	28	75	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	N-Nitrosodimethylamine	n/a	=	15.1	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	N-Nitrosodimethylamine	n/a	=	61	%	EPA 625	-88	-88	28	75	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	N-Nitrosodimethylamine	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	N-Nitrosodimethylamine	n/a	=	15.9	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	N-Nitrosodimethylamine	n/a	=	64	%	EPA 625	-88	-88	28	75	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	N-Nitrosodimethylamine	n/a	=	14.9	µg/L	EPA 625	0.14	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	N-Nitrosodimethylamine	n/a	=	60	%	EPA 625	-88	-88	28	75	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	N-Nitrosodimethylamine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	25.6	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	102	%	EPA 625	-88	-88	0.1	230	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.1	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	97	%	EPA 625	-88	-88	0.1	230	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	23	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	92	%	EPA 625	-88	-88	0.1	230	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	22	µg/L	EPA 625	0.26	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	88	%	EPA 625	-88	-88	0.1	230	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	N-Nitrosodiphenylamine	n/a	=	20.9	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	N-Nitrosodiphenylamine	n/a	=	84	%	EPA 625	-88	-88	42	90	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19.8	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	N-Nitrosodiphenylamine	n/a	=	79	%	EPA 625	-88	-88	42	90	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	N-Nitrosodiphenylamine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19.3	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	N-Nitrosodiphenylamine	n/a	=	77	%	EPA 625	-88	-88	42	90	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	N-Nitrosodiphenylamine	n/a	=	18.4	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	N-Nitrosodiphenylamine	n/a	=	74	%	EPA 625	-88	-88	42	90	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	N-Nitrosodiphenylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	srgt method blank	12/5/2016	Organic	Perylene-d12	n/a	=	4.26	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/5/2016	Organic	Perylene-d12	n/a	=	85	%	EPA 525.2	-88	-88	30	118	
2016/17-2	Lab	srgt LCS	12/5/2016	Organic	Perylene-d12	n/a	=	5.58	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/5/2016	Organic	Perylene-d12	n/a	=	112	%	EPA 525.2	-88	-88	30	118	
2016/17-2	Lab	srgt LCS dup	12/5/2016	Organic	Perylene-d12	n/a	=	5.55	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/5/2016	Organic	Perylene-d12	n/a	=	111	%	EPA 525.2	-88	-88	30	118	
2016/17-2	ME-CC	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	2.02	µg/L	EPA 525.2	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	40	%	EPA 525.2	-88	-88	30	118	
2016/17-2	ME-VR2	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	4.37	µg/L	EPA 525.2	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	87	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-CAM	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	1.59	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	32	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-FIL	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	2.3	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	46	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-HUE	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	1.98	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	40	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-MPK	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	1.66	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	33	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-OXN	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	2.2	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	44	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-SIM	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	1.79	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	36	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-SPA	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	2.16	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	43	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-THO	srgt environ	12/6/2016	Organic	Perylene-d12	n/a	=	2.16	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/6/2016	Organic	Perylene-d12	n/a	=	43	%	EPA 525.2	-88	-88	30	118	
2016/17-2	MO-VEN	srgt environ	12/5/2016	Organic	Perylene-d12	n/a	=	1.83	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/5/2016	Organic	Perylene-d12	n/a	=	37	%	EPA 525.2	-88	-88	30	118	
2016/17-2	Lab	method blank	12/10/2016	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Phenanthrene	n/a	=	24.9	µg/L	EPA 625	0.32	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Phenanthrene	n/a	=	100	%	EPA 625	-88	-88	54	120	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Phenanthrene	n/a	=	24.2	µg/L	EPA 625	0.32	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Phenanthrene	n/a	=	97	%	EPA 625	-88	-88	54	120	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Phenanthrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Phenanthrene	n/a	=	22.7	µg/L	EPA 625	0.32	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Phenanthrene	n/a	=	91	%	EPA 625	-88	-88	54	120	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Phenanthrene	n/a	=	21.9	µg/L	EPA 625	0.32	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Phenanthrene	n/a	=	88	%	EPA 625	-88	-88	54	120	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Phenanthrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Phenanthrene	n/a	=	7.98	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Phenanthrene	n/a	=	80	%	EPA 8270C	-88	-88	21	131	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Phenanthrene	n/a	=	8.37	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Phenanthrene	n/a	=	84	%	EPA 8270C	-88	-88	21	131	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Phenanthrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	method blank	12/10/2016	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Phenol	n/a	=	10.8	µg/L	EPA 625	0.16	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Phenol	n/a	=	43	%	EPA 625	-88	-88	5	112	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Phenol	n/a	=	9.82	µg/L	EPA 625	0.16	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Phenol	n/a	=	39	%	EPA 625	-88	-88	5	112	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Phenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Phenol	n/a	=	9.48	µg/L	EPA 625	0.16	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Phenol	n/a	=	38	%	EPA 625	-88	-88	5	112	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Phenol	n/a	=	8.91	µg/L	EPA 625	0.16	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Phenol	n/a	=	36	%	EPA 625	-88	-88	5	112	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Phenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-2	Lab	LCS	12/21/2016	Organic	Phenol	n/a	=	2.4	µg/L	EPA 8270C	0.35	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Organic	Phenol	n/a	=	24	%	EPA 8270C	-88	-88	6	43	
2016/17-2	Lab	LCS dup	12/21/2016	Organic	Phenol	n/a	=	2.68	µg/L	EPA 8270C	0.35	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Organic	Phenol	n/a	=	27	%	EPA 8270C	-88	-88	6	43	
2016/17-2	Lab	LCS, RPD	12/21/2016	Organic	Phenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-2	Lab	srgt method blank	12/10/2016	Organic	Phenol-d5	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/10/2016	Organic	Phenol-d5	n/a	=	39	%	EPA 625	-88	-88	0.1	53	
2016/17-2	Lab	srgt LCS	12/10/2016	Organic	Phenol-d5	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/10/2016	Organic	Phenol-d5	n/a	=	42	%	EPA 625	-88	-88	0.1	53	
2016/17-2	Lab	srgt LCS dup	12/10/2016	Organic	Phenol-d5	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/10/2016	Organic	Phenol-d5	n/a	=	39	%	EPA 625	-88	-88	0.1	53	
2016/17-2	Lab	srgt method blank	12/14/2016	Organic	Phenol-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/14/2016	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2016/17-2	Lab	srgt LCS	12/14/2016	Organic	Phenol-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/14/2016	Organic	Phenol-d5	n/a	=	38	%	EPA 625	-88	-88	0.1	53	
2016/17-2	Lab	srgt LCS dup	12/14/2016	Organic	Phenol-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/14/2016	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2016/17-2	Lab	srgt method blank	12/21/2016	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/21/2016	Organic	Phenol-d5	n/a	=	32	%	EPA 8270C	-88	-88	5	46	
2016/17-2	Lab	srgt LCS	12/21/2016	Organic	Phenol-d5	n/a	=	2.42	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/21/2016	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2016/17-2	Lab	srgt LCS dup	12/21/2016	Organic	Phenol-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/21/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-2	ME-CC	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2016/17-2	ME-CC	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	2.28	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2016/17-2	ME-VR2	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2016/17-2	ME-VR2	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	2.68	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-CAM	srgt environ	12/10/2016	Organic	Phenol-d5	n/a	=	14.3	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-CAM	srgt environ, rec	12/10/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-CAM	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	1.05	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	10	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-FIL	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-FIL	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	1.8	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-HUE	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-HUE	srgt environ	12/22/2016	Organic	Phenol-d5	n/a	=	0.6	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/22/2016	Organic	Phenol-d5	n/a	=	6	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-MPK	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-MPK	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2016/17-2	MO-MPK	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2016/17-2	MO-OXN	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	10.2	µg/L	EPA 625	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	20	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-OXN	srgt environ	12/22/2016	Organic	Phenol-d5	n/a	=	1.5	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/22/2016	Organic	Phenol-d5	n/a	=	15	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-SIM	srgt environ	12/10/2016	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/10/2016	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-SIM	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	1.75	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-SPA	srgt environ	12/10/2016	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/10/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-SPA	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	1.25	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	12	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-THO	srgt environ	12/14/2016	Organic	Phenol-d5	n/a	=	8.25	µg/L	EPA 625	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/14/2016	Organic	Phenol-d5	n/a	=	16	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-THO	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	1.15	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	12	%	EPA 8270C	-88	-88	5	46	
2016/17-2	MO-VEN	srgt environ	12/10/2016	Organic	Phenol-d5	n/a	=	14.3	µg/L	EPA 625	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/10/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-2	MO-VEN	srgt environ	12/21/2016	Organic	Phenol-d5	n/a	=	0.8	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/21/2016	Organic	Phenol-d5	n/a	=	8	%	EPA 8270C	-88	-88	5	46	
2016/17-2	Lab	srgt method blank	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	15.1	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 625	-88	-88	28	113	
2016/17-2	Lab	srgt LCS	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2016/17-2	Lab	srgt LCS dup	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625	-88	-88	28	113	
2016/17-2	Lab	srgt method blank	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2016/17-2	Lab	srgt LCS	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2016/17-2	Lab	srgt LCS dup	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	srgt method blank	12/15/2016	Organic	p-Terphenyl-d14	n/a	=	21.3	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/15/2016	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 8270C	-88	-88	19	134	
2016/17-2	Lab	srgt LCS	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.56	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2016/17-2	Lab	srgt LCS dup	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.39	µg/L	EPA 8270C	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 8270C	-88	-88	19	134	
2016/17-2	ME-CC	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 625	-88	-88	28	113	
2016/17-2	ME-CC	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.11	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2016/17-2	ME-VR2	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 625	-88	-88	28	113	
2016/17-2	ME-VR2	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-CAM	srgt environ	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	11.2	µg/L	EPA 625	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-CAM	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	4.21	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-FIL	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-FIL	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-HUE	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	57	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-HUE	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.73	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-MPK	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-MPK	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.45	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-OXN	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	53	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-OXN	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.49	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-SIM	srgt environ	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	12.5	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	50	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-SIM	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.07	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	61	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-SPA	srgt environ	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	11.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	47	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-SPA	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	4.04	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-THO	srgt environ	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/14/2016	Organic	p-Terphenyl-d14	n/a	=	51	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-THO	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.36	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270C	-88	-88	19	134	
2016/17-2	MO-VEN	srgt environ	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	11.4	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-VEN	srgt environ, rec	12/10/2016	Organic	p-Terphenyl-d14	n/a	=	46	%	EPA 625	-88	-88	28	113	
2016/17-2	MO-VEN	srgt environ	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	3.53	µg/L	EPA 8270C	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/16/2016	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2016/17-2	Lab	method blank	12/10/2016	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS	12/10/2016	Organic	Pyrene	n/a	=	22.8	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Organic	Pyrene	n/a	=	91	%	EPA 625	-88	-88	52	115	
2016/17-2	Lab	LCS dup	12/10/2016	Organic	Pyrene	n/a	=	23.2	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Organic	Pyrene	n/a	=	93	%	EPA 625	-88	-88	52	115	
2016/17-2	Lab	LCS, RPD	12/10/2016	Organic	Pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS	12/14/2016	Organic	Pyrene	n/a	=	24	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Organic	Pyrene	n/a	=	96	%	EPA 625	-88	-88	52	115	
2016/17-2	Lab	LCS dup	12/14/2016	Organic	Pyrene	n/a	=	25.5	µg/L	EPA 625	0.25	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Organic	Pyrene	n/a	=	102	%	EPA 625	-88	-88	52	115	
2016/17-2	Lab	LCS, RPD	12/14/2016	Organic	Pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/15/2016	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS	12/16/2016	Organic	Pyrene	n/a	=	8.17	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS, rec	12/16/2016	Organic	Pyrene	n/a	=	82	%	EPA 8270C	-88	-88	26	128	
2016/17-2	Lab	LCS dup	12/16/2016	Organic	Pyrene	n/a	=	8.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-2	Lab	LCS dup, rec	12/16/2016	Organic	Pyrene	n/a	=	81	%	EPA 8270C	-88	-88	26	128	
2016/17-2	Lab	LCS, RPD	12/16/2016	Organic	Pyrene	n/a	=	0.8	%	EPA 8270C	-88	-88	0	30	
2016/17-2	000NONPJ	srgt matrix spike	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0556	µg/L	EPA 608	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	50	%	EPA 608	-88	-88	12	117	
2016/17-2	000NONPJ	srgt matrix spike dup	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0501	µg/L	EPA 608	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt method blank	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.103	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	103	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt LCS	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0938	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	94	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt LCS dup	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0919	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	92	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt method blank	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0805	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt LCS	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0819	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	82	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt method blank	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0733	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt LCS	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0721	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt LCS dup	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0867	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	87	%	EPA 608	-88	-88	12	117	
2016/17-2	ME-CC	srgt environ	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0597	µg/L	EPA 608	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	12	117	
2016/17-2	ME-VR2	srgt environ	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0823	µg/L	EPA 608	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/22/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	82	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-CAM	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0286	µg/L	EPA 608	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	29	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-FIL	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0536	µg/L	EPA 608	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	54	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-HUE	srgt environ	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0614	µg/L	EPA 608	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/20/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-MEI	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0486	µg/L	EPA 608	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	49	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-MPK	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0502	µg/L	EPA 608	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	50	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-OXN	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0386	µg/L	EPA 608	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	39	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-SIM	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0345	µg/L	EPA 608	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	34	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-SPA	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0425	µg/L	EPA 608	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	43	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-THO	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.053	µg/L	EPA 608	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	53	%	EPA 608	-88	-88	12	117	
2016/17-2	MO-VEN	srgt environ	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0457	µg/L	EPA 608	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/23/2016	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	12	117	
2016/17-2	Lab	srgt LCS	11/22/2016	Organic	Toluene-d8	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/22/2016	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt LCS dup	11/22/2016	Organic	Toluene-d8	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/22/2016	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt method blank	11/23/2016	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/23/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt LCS	11/24/2016	Organic	Toluene-d8	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/24/2016	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt LCS dup	11/24/2016	Organic	Toluene-d8	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/24/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt method blank	11/24/2016	Organic	Toluene-d8	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/24/2016	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt LCS dup	11/27/2016	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	11/27/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt LCS	11/27/2016	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/27/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	Lab	srgt method blank	11/27/2016	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/27/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-2	ME-CC	srgt environ	11/23/2016	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	11/23/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-2	ME-VR2	srgt environ	11/23/2016	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	11/23/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-CAM	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-FIL	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-HUE	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-MEI	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	49.9	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-MEI	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-MPK	srgt environ	11/27/2016	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	11/27/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-OJA	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-2	MO-OJA	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-OXN	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-SIM	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-SPA	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-THO	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-2	MO-VEN	srgt environ	11/24/2016	Organic	Toluene-d8	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	11/24/2016	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-2	000NONPJ	srgt matrix spike	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.442	µg/L	EPA 525.2m	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	000NONPJ	srgt matrix spike dup	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.446	µg/L	EPA 525.2m	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	000NONPJ	srgt matrix spike	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.554	µg/L	EPA 525.2m	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	Lab	srgt method blank	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.574	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	Lab	srgt LCS	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.546	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	Lab	srgt method blank	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.538	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt method blank, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	Lab	srgt LCS	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.58	µg/L	EPA 525.2m	-88	-88			
2016/17-2	Lab	srgt LCS, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	Lab	srgt method blank	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	149	
2016/17-2	Lab	srgt LCS	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	149	
2016/17-2	Lab	srgt LCS dup	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.52	µg/L	EPA 525.2	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	149	
2016/17-2	ME-CC	srgt environ	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.468	µg/L	EPA 525.2m	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	94	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	ME-CC	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	7.28	µg/L	EPA 525.2	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	146	%	EPA 525.2	-88	-88	70	149	
2016/17-2	ME-VR2	srgt environ	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.735	µg/L	EPA 525.2m	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	147	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	ME-VR2	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-CAM	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.399	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	80	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-CAM	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	4.8	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	96	%	EPA 525.2	-88	-88	70	149	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	MO-FIL	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.427	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	85	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-FIL	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.22	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-HUE	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.395	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	79	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-HUE	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.8	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-MEI	srgt environ	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.324	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	65	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-MPK	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.399	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	80	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-MPK	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	4.53	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-OJA	srgt environ	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.349	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-OJA	srgt environ, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	70	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-OXN	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.382	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	76	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-OXN	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	4.13	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	83	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-SIM	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.409	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-SIM	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	5.48	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-SPA	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.411	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-SPA	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	4.29	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-THO	srgt environ	12/1/2016	Organic	Triphenylphosphate	n/a	=	0.501	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/1/2016	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-THO	srgt environ	12/6/2016	Organic	Triphenylphosphate	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/6/2016	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	149	
2016/17-2	MO-VEN	srgt environ	11/30/2016	Organic	Triphenylphosphate	n/a	=	0.441	µg/L	EPA 525.2m	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	11/30/2016	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2m	-88	-88	40	163	
2016/17-2	MO-VEN	srgt environ	12/5/2016	Organic	Triphenylphosphate	n/a	=	3.77	µg/L	EPA 525.2	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/5/2016	Organic	Triphenylphosphate	n/a	=	75	%	EPA 525.2	-88	-88	70	149	
2016/17-2	000NONPJ	srgt matrix spike	12/22/2016	PCB	PCB 209	n/a	=	0.06	µg/L	EPA 608	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike, rec	12/22/2016	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	0.1	118	
2016/17-2	000NONPJ	srgt matrix spike dup	12/22/2016	PCB	PCB 209	n/a	=	0.0575	µg/L	EPA 608	-88	-88			
2016/17-2	000NONPJ	srgt matrix spike dup, rec	12/22/2016	PCB	PCB 209	n/a	=	52	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt method blank	12/20/2016	PCB	PCB 209	n/a	=	0.118	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/20/2016	PCB	PCB 209	n/a	=	118	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt LCS	12/20/2016	PCB	PCB 209	n/a	=	0.108	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/20/2016	PCB	PCB 209	n/a	=	108	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt LCS dup	12/20/2016	PCB	PCB 209	n/a	=	0.0848	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/20/2016	PCB	PCB 209	n/a	=	85	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt method blank	12/22/2016	PCB	PCB 209	n/a	=	0.0869	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	srgt method blank, rec	12/22/2016	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt LCS	12/22/2016	PCB	PCB 209	n/a	=	0.0931	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/22/2016	PCB	PCB 209	n/a	=	93	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt method blank	12/23/2016	PCB	PCB 209	n/a	=	0.0787	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt method blank, rec	12/23/2016	PCB	PCB 209	n/a	=	79	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt LCS	12/23/2016	PCB	PCB 209	n/a	=	0.0776	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS, rec	12/23/2016	PCB	PCB 209	n/a	=	78	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	srgt LCS dup	12/23/2016	PCB	PCB 209	n/a	=	0.099	µg/L	EPA 608	-88	-88			
2016/17-2	Lab	srgt LCS dup, rec	12/23/2016	PCB	PCB 209	n/a	=	99	%	EPA 608	-88	-88	0.1	118	
2016/17-2	ME-CC	srgt environ	12/22/2016	PCB	PCB 209	n/a	=	0.0598	µg/L	EPA 608	-88	-88			
2016/17-2	ME-CC	srgt environ, rec	12/22/2016	PCB	PCB 209	n/a	=	60	%	EPA 608	-88	-88	0.1	118	
2016/17-2	ME-VR2	srgt environ	12/22/2016	PCB	PCB 209	n/a	=	0.077	µg/L	EPA 608	-88	-88			
2016/17-2	ME-VR2	srgt environ, rec	12/22/2016	PCB	PCB 209	n/a	=	77	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-CAM	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0239	µg/L	EPA 608	-88	-88			
2016/17-2	MO-CAM	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	24	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-FIL	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.054	µg/L	EPA 608	-88	-88			
2016/17-2	MO-FIL	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-HUE	srgt environ	12/20/2016	PCB	PCB 209	n/a	=	0.0918	µg/L	EPA 608	-88	-88			
2016/17-2	MO-HUE	srgt environ, rec	12/20/2016	PCB	PCB 209	n/a	=	92	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-MEI	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0481	µg/L	EPA 608	-88	-88			
2016/17-2	MO-MEI	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	48	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-MPK	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.053	µg/L	EPA 608	-88	-88			
2016/17-2	MO-MPK	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	53	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-OXN	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0278	µg/L	EPA 608	-88	-88			
2016/17-2	MO-OXN	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	28	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-SIM	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0375	µg/L	EPA 608	-88	-88			
2016/17-2	MO-SIM	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	37	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-SPA	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0309	µg/L	EPA 608	-88	-88			
2016/17-2	MO-SPA	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	31	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-THO	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0537	µg/L	EPA 608	-88	-88			
2016/17-2	MO-THO	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	0.1	118	
2016/17-2	MO-VEN	srgt environ	12/23/2016	PCB	PCB 209	n/a	=	0.0361	µg/L	EPA 608	-88	-88			
2016/17-2	MO-VEN	srgt environ, rec	12/23/2016	PCB	PCB 209	n/a	=	36	%	EPA 608	-88	-88	0.1	118	
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-2	Lab	method blank	12/20/2016	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-2	Lab	method blank	12/22/2016	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-2	Lab	method blank	12/23/2016	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4,5-T	n/a	=	3.46	µg/L	EPA 515.3	0.07	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4,5-T	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4,5-T	n/a	=	3.66	µg/L	EPA 515.3	0.07	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4,5-T	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4,5-T	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4,5-T	n/a	=	3.53	µg/L	EPA 515.3	0.07	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4,5-T	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4,5-T	n/a	=	3.48	µg/L	EPA 515.3	0.07	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4,5-T	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	2,4,5-T	n/a	=	3.71	µg/L	EPA 515.3	0.07	0.2			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	2,4,5-T	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4,5-TP	n/a	=	3.65	µg/L	EPA 515.3	0.09	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4,5-TP	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4,5-TP	n/a	=	3.62	µg/L	EPA 515.3	0.09	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4,5-TP	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4,5-TP	n/a	=	3.69	µg/L	EPA 515.3	0.09	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4,5-TP	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4,5-TP	n/a	=	3.58	µg/L	EPA 515.3	0.09	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4,5-TP	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	2,4,5-TP	n/a	=	3.6	µg/L	EPA 515.3	0.09	0.2			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4-D	n/a	=	8.55	µg/L	EPA 515.3	0.07	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4-D	n/a	=	7.83	µg/L	EPA 515.3	0.07	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4-D	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4-D	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4-D	n/a	=	8.72	µg/L	EPA 515.3	0.07	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4-D	n/a	=	8.8	µg/L	EPA 515.3	0.07	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4-D	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4-D	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	2,4-D	n/a	=	7.27	µg/L	EPA 515.3	0.07	0.4			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	2,4-D	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4-DB	n/a	=	13.8	µg/L	EPA 515.3	0.07	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4-DB	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4-DB	n/a	=	14.9	µg/L	EPA 515.3	0.07	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4-DB	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4-DB	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	2,4-DB	n/a	=	18.1	µg/L	EPA 515.3	0.07	2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	2,4-DB	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	2,4-DB	n/a	=	18.8	µg/L	EPA 515.3	0.07	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	2,4-DB	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	2,4-DB	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	2,4-DB	n/a	=	13.4	µg/L	EPA 515.3	0.07	2			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	2,4-DB	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.78	µg/L	EPA 515.3	0.09	1			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.82	µg/L	EPA 515.3	0.09	1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.23	µg/L	EPA 515.3	0.09	1			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.08	µg/L	EPA 515.3	0.09	1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.52	µg/L	EPA 515.3	0.09	1			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	4,4'-DDD	n/a	DNQ	0.0622	µg/L	EPA 608	0.006	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	4,4'-DDD	n/a	=	56	%	EPA 608	-88	-88	23	124	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	4,4'-DDD	n/a	DNQ	0.0558	µg/L	EPA 608	0.006	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	4,4'-DDD	n/a	=	50	%	EPA 608	-88	-88	23	124	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	4,4'-DDD	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	4,4'-DDD	n/a	=	0.0988	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	4,4'-DDD	n/a	=	99	%	EPA 608	-88	-88	42	133	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	4,4'-DDD	n/a	=	0.0852	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	4,4'-DDD	n/a	=	85	%	EPA 608	-88	-88	42	133	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	4,4'-DDD	n/a	=	15	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	4,4'-DDD	n/a	=	0.0814	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	4,4'-DDD	n/a	=	81	%	EPA 608	-88	-88	42	133	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	4,4'-DDD	n/a	=	0.0831	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	4,4'-DDD	n/a	=	83	%	EPA 608	-88	-88	42	133	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	4,4'-DDD	n/a	=	0.103	µg/L	EPA 608	0.003	0.05			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	4,4'-DDD	n/a	=	103	%	EPA 608	-88	-88	42	133	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	4,4'-DDD	n/a	=	21	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	4,4'-DDE	n/a	DNQ	0.061	µg/L	EPA 608	0.005	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	4,4'-DDE	n/a	=	55	%	EPA 608	-88	-88	30	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	4,4'-DDE	n/a	DNQ	0.0527	µg/L	EPA 608	0.005	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	4,4'-DDE	n/a	=	47	%	EPA 608	-88	-88	30	114	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	4,4'-DDE	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	4,4'-DDE	n/a	=	0.105	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	4,4'-DDE	n/a	=	105	%	EPA 608	-88	-88	33	126	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	4,4'-DDE	n/a	=	0.101	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	4,4'-DDE	n/a	=	101	%	EPA 608	-88	-88	33	126	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	4,4'-DDE	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	4,4'-DDE	n/a	=	0.0948	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	4,4'-DDE	n/a	=	95	%	EPA 608	-88	-88	33	126	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	4,4'-DDE	n/a	=	0.086	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	4,4'-DDE	n/a	=	86	%	EPA 608	-88	-88	33	126	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	4,4'-DDE	n/a	=	0.107	µg/L	EPA 608	0.0025	0.05			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	4,4'-DDE	n/a	=	107	%	EPA 608	-88	-88	33	126	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	4,4'-DDE	n/a	=	22	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	4,4'-DDT	n/a	=	0.0276	µg/L	EPA 608	0.0062	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	4,4'-DDT	n/a	=	25	%	EPA 608	-88	-88	11	151	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	4,4'-DDT	n/a	=	0.0274	µg/L	EPA 608	0.0062	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	4,4'-DDT	n/a	=	25	%	EPA 608	-88	-88	11	151	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	4,4'-DDT	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	4,4'-DDT	n/a	=	0.127	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	4,4'-DDT	n/a	=	127	%	EPA 608	-88	-88	35	147	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	4,4'-DDT	n/a	=	0.114	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	4,4'-DDT	n/a	=	114	%	EPA 608	-88	-88	35	147	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	4,4'-DDT	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	4,4'-DDT	n/a	=	0.0572	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	4,4'-DDT	n/a	=	57	%	EPA 608	-88	-88	35	147	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	4,4'-DDT	n/a	=	0.133	µg/L	EPA 608	0.0031	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	4,4'-DDT	n/a	=	133	%	EPA 608	-88	-88	35	147	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	4,4'-DDT	n/a	=	0.157	µg/L	EPA 608	0.0031	0.01			EUM
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	4,4'-DDT	n/a	=	157	%	EPA 608	-88	-88	35	147	EUM
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	4,4'-DDT	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Acifluorfen	n/a	=	3.83	µg/L	EPA 515.3	0.06	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Acifluorfen	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Acifluorfen	n/a	=	4.03	µg/L	EPA 515.3	0.06	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Acifluorfen	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Acifluorfen	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Acifluorfen	n/a	=	4.18	µg/L	EPA 515.3	0.06	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Acifluorfen	n/a	=	4.01	µg/L	EPA 515.3	0.06	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Acifluorfen	n/a	=	100	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Acifluorfen	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Acifluorfen	n/a	=	3.39	µg/L	EPA 515.3	0.06	0.4			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Acifluorfen	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Alachlor	n/a	=	4.85	µg/L	EPA 525.2	0.022	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Alachlor	n/a	=	97	%	EPA 525.2	-88	-88	55	124	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Alachlor	n/a	=	4.74	µg/L	EPA 525.2	0.022	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Alachlor	n/a	=	95	%	EPA 525.2	-88	-88	55	124	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Aldrin	n/a	=	0.0696	µg/L	EPA 608	0.003	0.01			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Aldrin	n/a	=	63	%	EPA 608	-88	-88	18	110	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Aldrin	n/a	=	0.0607	µg/L	EPA 608	0.003	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Aldrin	n/a	=	55	%	EPA 608	-88	-88	18	110	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Aldrin	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Aldrin	n/a	=	0.0981	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Aldrin	n/a	=	98	%	EPA 608	-88	-88	18	117	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Aldrin	n/a	=	0.104	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Aldrin	n/a	=	104	%	EPA 608	-88	-88	18	117	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Aldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Aldrin	n/a	=	0.0909	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Aldrin	n/a	=	91	%	EPA 608	-88	-88	18	117	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Aldrin	n/a	=	0.0865	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Aldrin	n/a	=	86	%	EPA 608	-88	-88	18	117	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Aldrin	n/a	=	0.105	µg/L	EPA 608	0.0015	0.005			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Aldrin	n/a	=	105	%	EPA 608	-88	-88	18	117	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Aldrin	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	alpha-BHC	n/a	=	0.0629	µg/L	EPA 608	0.0036	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	alpha-BHC	n/a	=	57	%	EPA 608	-88	-88	43	114	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	alpha-BHC	n/a	=	0.0622	µg/L	EPA 608	0.0036	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	alpha-BHC	n/a	=	56	%	EPA 608	-88	-88	43	114	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	alpha-BHC	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	alpha-BHC	n/a	=	0.0991	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	alpha-BHC	n/a	=	99	%	EPA 608	-88	-88	47	119	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	alpha-BHC	n/a	=	0.0925	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	alpha-BHC	n/a	=	93	%	EPA 608	-88	-88	47	119	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	alpha-BHC	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	alpha-BHC	n/a	=	0.0858	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	alpha-BHC	n/a	=	86	%	EPA 608	-88	-88	47	119	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	alpha-BHC	n/a	=	0.0823	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	alpha-BHC	n/a	=	82	%	EPA 608	-88	-88	47	119	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	alpha-BHC	n/a	=	0.0994	µg/L	EPA 608	0.0018	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	alpha-BHC	n/a	=	99	%	EPA 608	-88	-88	47	119	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	alpha-BHC	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-2	Lab	method blank	12/22/2016	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-2	Lab	method blank	12/23/2016	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Atrazine	n/a	=	4.95	µg/L	EPA 525.2	0.034	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Atrazine	n/a	=	99	%	EPA 525.2	-88	-88	67	131	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Atrazine	n/a	=	4.91	µg/L	EPA 525.2	0.034	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Atrazine	n/a	=	98	%	EPA 525.2	-88	-88	67	131	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Atrazine	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0508	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Azinphos methyl	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0572	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Azinphos methyl	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Azinphos methyl	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0573	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Azinphos methyl	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0521	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Azinphos methyl	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Azinphos methyl	n/a	=	0.061	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Azinphos methyl	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Bentazon	n/a	=	16.3	µg/L	EPA 515.3	0.11	2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Bentazon	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Bentazon	n/a	=	16.6	µg/L	EPA 515.3	0.11	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Bentazon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Bentazon	n/a	=	17.1	µg/L	EPA 515.3	0.11	2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Bentazon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Bentazon	n/a	=	16.6	µg/L	EPA 515.3	0.11	2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Bentazon	n/a	=	14.2	µg/L	EPA 515.3	0.11	2			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Bentazon	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	beta-BHC	n/a	=	0.0601	µg/L	EPA 608	0.0062	0.01			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	beta-BHC	n/a	=	54	%	EPA 608	-88	-88	24	135	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	beta-BHC	n/a	=	0.0522	µg/L	EPA 608	0.0062	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	beta-BHC	n/a	=	47	%	EPA 608	-88	-88	24	135	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	beta-BHC	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	beta-BHC	n/a	=	0.104	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	beta-BHC	n/a	=	104	%	EPA 608	-88	-88	53	123	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	beta-BHC	n/a	=	0.0942	µg/L	EPA 608	0.0031	0.005			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	beta-BHC	n/a	=	94	%	EPA 608	-88	-88	53	123	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	beta-BHC	n/a	=	9	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	beta-BHC	n/a	=	0.0871	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	beta-BHC	n/a	=	87	%	EPA 608	-88	-88	53	123	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	beta-BHC	n/a	=	0.0862	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	beta-BHC	n/a	=	86	%	EPA 608	-88	-88	53	123	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	beta-BHC	n/a	=	0.104	µg/L	EPA 608	0.0031	0.005			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	beta-BHC	n/a	=	104	%	EPA 608	-88	-88	53	123	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	beta-BHC	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Bolstar	n/a	=	0.0613	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Bolstar	n/a	=	123	%	EPA 525.2m	-88	-88	4	184	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Bolstar	n/a	=	0.0655	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Bolstar	n/a	=	131	%	EPA 525.2m	-88	-88	4	184	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Bolstar	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Bolstar	n/a	=	0.0641	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Bolstar	n/a	=	128	%	EPA 525.2m	-88	-88	4	184	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Bolstar	n/a	=	0.0488	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Bolstar	n/a	=	98	%	EPA 525.2m	-88	-88	11	166	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Bolstar	n/a	=	0.0454	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Bolstar	n/a	=	91	%	EPA 525.2m	-88	-88	11	166	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Bromacil	n/a	=	5.17	µg/L	EPA 525.2	0.038	1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Bromacil	n/a	=	103	%	EPA 525.2	-88	-88	62	139	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Bromacil	n/a	=	5.06	µg/L	EPA 525.2	0.038	1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Bromacil	n/a	=	101	%	EPA 525.2	-88	-88	62	139	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Bromacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Butachlor	n/a	=	5.35	µg/L	EPA 525.2	0.017	0.2			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	61	127	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Butachlor	n/a	=	5.47	µg/L	EPA 525.2	0.017	0.2			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Butachlor	n/a	=	109	%	EPA 525.2	-88	-88	61	127	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Captan	n/a	=	4.11	µg/L	EPA 525.2	0.86	1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Captan	n/a	=	82	%	EPA 525.2	-88	-88	14	159	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Captan	n/a	=	4.05	µg/L	EPA 525.2	0.86	1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Captan	n/a	=	81	%	EPA 525.2	-88	-88	14	159	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Captan	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Chloropropham	n/a	=	5.09	µg/L	EPA 525.2	0.01	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Chloropropham	n/a	=	102	%	EPA 525.2	-88	-88	77	143	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Chloropropham	n/a	=	4.94	µg/L	EPA 525.2	0.01	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Chloropropham	n/a	=	99	%	EPA 525.2	-88	-88	77	143	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Chloropropham	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0695	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	139	%	EPA 525.2m	-88	-88	37	168	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0687	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	137	%	EPA 525.2m	-88	-88	37	168	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0626	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	125	%	EPA 525.2m	-88	-88	37	168	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0564	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	113	%	EPA 525.2m	-88	-88	37	169	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0458	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Chlorpyrifos	n/a	=	92	%	EPA 525.2m	-88	-88	37	169	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Coumaphos	n/a	=	0.0556	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Coumaphos	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Coumaphos	n/a	=	0.0647	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Coumaphos	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Coumaphos	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Coumaphos	n/a	=	0.0676	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Coumaphos	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Coumaphos	n/a	=	0.0554	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Coumaphos	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Coumaphos	n/a	=	0.0633	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Coumaphos	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Cyanazine	n/a	=	5.23	µg/L	EPA 525.2	0.024	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Cyanazine	n/a	=	105	%	EPA 525.2	-88	-88	61	129	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Cyanazine	n/a	=	4.69	µg/L	EPA 525.2	0.024	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Cyanazine	n/a	=	94	%	EPA 525.2	-88	-88	61	129	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Cyanazine	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dalapon	n/a	=	6.01	µg/L	EPA 515.3	0.1	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dalapon	n/a	=	75	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dalapon	n/a	=	6.25	µg/L	EPA 515.3	0.1	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dalapon	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dalapon	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dalapon	n/a	=	6.23	µg/L	EPA 515.3	0.1	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dalapon	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dalapon	n/a	=	6.68	µg/L	EPA 515.3	0.1	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dalapon	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dalapon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Dalapon	n/a	=	6.39	µg/L	EPA 515.3	0.1	0.4			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Dalapon	n/a	=	80	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.42	µg/L	EPA 515.3	0.07	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.53	µg/L	EPA 515.3	0.07	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.62	µg/L	EPA 515.3	0.07	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.51	µg/L	EPA 515.3	0.07	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.45	µg/L	EPA 515.3	0.07	0.1			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	DCPA (Dacthal)	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	delta-BHC	n/a	=	0.0549	µg/L	EPA 608	0.005	0.01			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	delta-BHC	n/a	=	49	%	EPA 608	-88	-88	37	122	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	delta-BHC	n/a	=	0.0497	µg/L	EPA 608	0.005	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	delta-BHC	n/a	=	45	%	EPA 608	-88	-88	37	122	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	delta-BHC	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	delta-BHC	n/a	=	0.104	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	delta-BHC	n/a	=	104	%	EPA 608	-88	-88	51	123	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	delta-BHC	n/a	=	0.0998	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	delta-BHC	n/a	=	100	%	EPA 608	-88	-88	51	123	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	delta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	delta-BHC	n/a	=	0.092	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	delta-BHC	n/a	=	92	%	EPA 608	-88	-88	51	123	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	delta-BHC	n/a	=	0.079	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	delta-BHC	n/a	=	79	%	EPA 608	-88	-88	51	123	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	delta-BHC	n/a	=	0.0926	µg/L	EPA 608	0.0025	0.005			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	delta-BHC	n/a	=	93	%	EPA 608	-88	-88	51	123	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	delta-BHC	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Demeton-O	n/a	=	0.0487	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Demeton-O	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Demeton-O	n/a	=	0.0493	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Demeton-O	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Demeton-O	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Demeton-O	n/a	=	0.0299	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Demeton-O	n/a	=	60	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Demeton-O	n/a	=	0.0157	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Demeton-O	n/a	=	31	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Demeton-O	n/a	=	0.0102	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Demeton-O	n/a	=	20	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Demeton-S	n/a	=	0.0679	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Demeton-S	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Demeton-S	n/a	=	0.0784	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Demeton-S	n/a	=	157	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Demeton-S	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Demeton-S	n/a	=	0.0706	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Demeton-S	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Demeton-S	n/a	=	0.0582	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Demeton-S	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Demeton-S	n/a	=	0.0571	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Demeton-S	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Diazinon	n/a	=	0.0577	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Diazinon	n/a	=	115	%	EPA 525.2m	-88	-88	36	153	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Diazinon	n/a	=	0.063	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Diazinon	n/a	=	126	%	EPA 525.2m	-88	-88	36	153	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Diazinon	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Diazinon	n/a	=	0.0442	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Diazinon	n/a	=	88	%	EPA 525.2m	-88	-88	36	153	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Diazinon	n/a	=	0.0312	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Diazinon	n/a	=	62	%	EPA 525.2m	-88	-88	43	152	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Diazinon	n/a	=	0.0212	µg/L	EPA 525.2m	0.0052	0.01			EUM
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Diazinon	n/a	=	42	%	EPA 525.2m	-88	-88	43	152	EUM
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Diazinon	n/a	=	4.78	µg/L	EPA 525.2	0.096	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2	-88	-88	30	120	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Diazinon	n/a	=	4.62	µg/L	EPA 525.2	0.096	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Diazinon	n/a	=	92	%	EPA 525.2	-88	-88	30	120	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Diazinon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dicamba	n/a	=	7.47	µg/L	EPA 515.3	0.12	0.6			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dicamba	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dicamba	n/a	=	7.49	µg/L	EPA 515.3	0.12	0.6			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dicamba	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dicamba	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dicamba	n/a	=	7.8	µg/L	EPA 515.3	0.12	0.6			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dicamba	n/a	=	7.46	µg/L	EPA 515.3	0.12	0.6			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dicamba	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dicamba	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Dicamba	n/a	=	7.22	µg/L	EPA 515.3	0.12	0.6			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Dicamba	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dichlorprop	n/a	=	8.34	µg/L	EPA 515.3	0.08	0.3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dichlorprop	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dichlorprop	n/a	=	8.41	µg/L	EPA 515.3	0.08	0.3			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dichlorprop	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dichlorprop	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dichlorprop	n/a	=	7.93	µg/L	EPA 515.3	0.08	0.3			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dichlorprop	n/a	=	8.82	µg/L	EPA 515.3	0.08	0.3			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dichlorprop	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dichlorprop	n/a	=	11	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Dichlorprop	n/a	=	7.66	µg/L	EPA 515.3	0.08	0.3			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Dichlorprop	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Dichlorvos	n/a	=	0.0486	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Dichlorvos	n/a	=	97	%	EPA 525.2m	-88	-88	42	137	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Dichlorvos	n/a	=	0.0531	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Dichlorvos	n/a	=	106	%	EPA 525.2m	-88	-88	42	137	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Dichlorvos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Dichlorvos	n/a	=	0.0462	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Dichlorvos	n/a	=	92	%	EPA 525.2m	-88	-88	42	137	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Dichlorvos	n/a	=	0.0493	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	46	133	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Dichlorvos	n/a	=	0.0464	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Dichlorvos	n/a	=	93	%	EPA 525.2m	-88	-88	46	133	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Dieldrin	n/a	=	0.0751	µg/L	EPA 608	0.0042	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Dieldrin	n/a	=	68	%	EPA 608	-88	-88	27	132	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Dieldrin	n/a	=	0.0662	µg/L	EPA 608	0.0042	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Dieldrin	n/a	=	60	%	EPA 608	-88	-88	27	132	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Dieldrin	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Dieldrin	n/a	=	0.0973	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Dieldrin	n/a	=	97	%	EPA 608	-88	-88	48	123	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Dieldrin	n/a	=	0.0949	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Dieldrin	n/a	=	95	%	EPA 608	-88	-88	48	123	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Dieldrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Dieldrin	n/a	=	0.0876	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Dieldrin	n/a	=	88	%	EPA 608	-88	-88	48	123	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Dieldrin	n/a	=	0.0876	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Dieldrin	n/a	=	88	%	EPA 608	-88	-88	48	123	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Dieldrin	n/a	=	0.108	µg/L	EPA 608	0.0021	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Dieldrin	n/a	=	108	%	EPA 608	-88	-88	48	123	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Dieldrin	n/a	=	21	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Dimethoate	n/a	=	0.0531	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Dimethoate	n/a	=	106	%	EPA 525.2m	-88	-88	4	222	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Dimethoate	n/a	=	0.0573	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Dimethoate	n/a	=	115	%	EPA 525.2m	-88	-88	4	222	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Dimethoate	n/a	=	0.0355	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Dimethoate	n/a	=	71	%	EPA 525.2m	-88	-88	4	222	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Dimethoate	n/a	=	0.0391	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Dimethoate	n/a	=	78	%	EPA 525.2m	-88	-88	10	234	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Dimethoate	n/a	=	0.0382	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Dimethoate	n/a	=	76	%	EPA 525.2m	-88	-88	10	234	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Dimethoate	n/a	=	3.4	µg/L	EPA 525.2	0.024	0.2			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Dimethoate	n/a	=	68	%	EPA 525.2	-88	-88	38	102	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Dimethoate	n/a	=	3.16	µg/L	EPA 525.2	0.024	0.2			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Dimethoate	n/a	=	63	%	EPA 525.2	-88	-88	38	102	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Dimethoate	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dinoseb	n/a	=	3.83	µg/L	EPA 515.3	0.14	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dinoseb	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dinoseb	n/a	=	3.86	µg/L	EPA 515.3	0.14	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dinoseb	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dinoseb	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Dinoseb	n/a	=	4.22	µg/L	EPA 515.3	0.14	0.4			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Dinoseb	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Dinoseb	n/a	=	4.18	µg/L	EPA 515.3	0.14	0.4			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Dinoseb	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Dinoseb	n/a	=	3.7	µg/L	EPA 515.3	0.14	0.4			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Dinoseb	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Diphenamid	n/a	=	5.45	µg/L	EPA 525.2	0.024	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Diphenamid	n/a	=	109	%	EPA 525.2	-88	-88	77	124	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Diphenamid	n/a	=	5.09	µg/L	EPA 525.2	0.024	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Diphenamid	n/a	=	102	%	EPA 525.2	-88	-88	77	124	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Diphenamid	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Disulfoton	n/a	=	0.066	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Disulfoton	n/a	=	132	%	EPA 525.2m	-88	-88	12	199	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Disulfoton	n/a	=	0.0663	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Disulfoton	n/a	=	133	%	EPA 525.2m	-88	-88	12	199	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Disulfoton	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Disulfoton	n/a	=	0.0572	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Disulfoton	n/a	=	114	%	EPA 525.2m	-88	-88	12	199	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Disulfoton	n/a	=	0.044	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Disulfoton	n/a	=	0.0334	µg/L	EPA 525.2m	0.01	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Disulfoton	n/a	=	67	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Disulfoton	n/a	=	4.27	µg/L	EPA 525.2	0.031	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Disulfoton	n/a	=	85	%	EPA 525.2	-88	-88	54	156	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Disulfoton	n/a	=	4.17	µg/L	EPA 525.2	0.031	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Disulfoton	n/a	=	83	%	EPA 525.2	-88	-88	54	156	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Endosulfan I	n/a	=	0.0633	µg/L	EPA 608	0.0034	0.04			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Endosulfan I	n/a	=	57	%	EPA 608	-88	-88	0.1	140	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Endosulfan I	n/a	=	0.0523	µg/L	EPA 608	0.0034	0.04			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Endosulfan I	n/a	=	47	%	EPA 608	-88	-88	0.1	140	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Endosulfan I	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Endosulfan I	n/a	=	0.0932	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Endosulfan I	n/a	=	93	%	EPA 608	-88	-88	14	131	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Endosulfan I	n/a	=	0.0939	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Endosulfan I	n/a	=	94	%	EPA 608	-88	-88	14	131	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Endosulfan I	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Endosulfan I	n/a	=	0.0835	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Endosulfan I	n/a	=	83	%	EPA 608	-88	-88	14	131	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Endosulfan I	n/a	=	0.0733	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Endosulfan I	n/a	=	73	%	EPA 608	-88	-88	14	131	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Endosulfan I	n/a	=	0.0898	µg/L	EPA 608	0.0017	0.02			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Endosulfan I	n/a	=	90	%	EPA 608	-88	-88	14	131	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Endosulfan I	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Endosulfan II	n/a	=	0.0561	µg/L	EPA 608	0.0038	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Endosulfan II	n/a	=	51	%	EPA 608	-88	-88	17	122	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Endosulfan II	n/a	=	0.0504	µg/L	EPA 608	0.0038	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Endosulfan II	n/a	=	45	%	EPA 608	-88	-88	17	122	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Endosulfan II	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Endosulfan II	n/a	=	0.0972	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Endosulfan II	n/a	=	97	%	EPA 608	-88	-88	40	121	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Endosulfan II	n/a	=	0.0873	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Endosulfan II	n/a	=	87	%	EPA 608	-88	-88	40	121	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Endosulfan II	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Endosulfan II	n/a	=	0.0803	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Endosulfan II	n/a	=	80	%	EPA 608	-88	-88	40	121	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Endosulfan II	n/a	=	0.0763	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Endosulfan II	n/a	=	76	%	EPA 608	-88	-88	40	121	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Endosulfan II	n/a	=	0.0944	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Endosulfan II	n/a	=	94	%	EPA 608	-88	-88	40	121	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Endosulfan II	n/a	=	21	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0692	µg/L	EPA 608	0.016	0.1			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Endosulfan sulfate	n/a	=	62	%	EPA 608	-88	-88	37	131	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0604	µg/L	EPA 608	0.016	0.1			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Endosulfan sulfate	n/a	=	54	%	EPA 608	-88	-88	37	131	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Endosulfan sulfate	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Endosulfan sulfate	n/a	=	0.102	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Endosulfan sulfate	n/a	=	102	%	EPA 608	-88	-88	44	140	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Endosulfan sulfate	n/a	=	0.0891	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Endosulfan sulfate	n/a	=	89	%	EPA 608	-88	-88	44	140	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Endosulfan sulfate	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Endosulfan sulfate	n/a	=	0.083	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Endosulfan sulfate	n/a	=	83	%	EPA 608	-88	-88	44	140	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Endosulfan sulfate	n/a	=	0.0836	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Endosulfan sulfate	n/a	=	84	%	EPA 608	-88	-88	44	140	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Endosulfan sulfate	n/a	=	0.105	µg/L	EPA 608	0.008	0.05			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Endosulfan sulfate	n/a	=	105	%	EPA 608	-88	-88	44	140	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Endosulfan sulfate	n/a	=	22	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Endrin	n/a	=	0.0802	µg/L	EPA 608	0.0056	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Endrin	n/a	=	72	%	EPA 608	-88	-88	42	144	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Endrin	n/a	=	0.0707	µg/L	EPA 608	0.0056	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Endrin	n/a	=	64	%	EPA 608	-88	-88	42	144	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Endrin	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Endrin	n/a	=	0.116	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Endrin	n/a	=	116	%	EPA 608	-88	-88	40	143	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Endrin	n/a	=	0.111	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Endrin	n/a	=	111	%	EPA 608	-88	-88	40	143	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Endrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Endrin	n/a	=	0.108	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Endrin	n/a	=	108	%	EPA 608	-88	-88	40	143	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Endrin	n/a	=	0.0984	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Endrin	n/a	=	98	%	EPA 608	-88	-88	40	143	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Endrin	n/a	=	0.121	µg/L	EPA 608	0.0028	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Endrin	n/a	=	121	%	EPA 608	-88	-88	40	143	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Endrin	n/a	=	21	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	0.0444	µg/L	EPA 608	0.006	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	40	%	EPA 608	-88	-88	11	113	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	0.0365	µg/L	EPA 608	0.006	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	33	%	EPA 608	-88	-88	11	113	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Endrin aldehyde	n/a	=	0.075	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Endrin aldehyde	n/a	=	75	%	EPA 608	-88	-88	18	136	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Endrin aldehyde	n/a	=	0.0892	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Endrin aldehyde	n/a	=	89	%	EPA 608	-88	-88	18	136	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Endrin aldehyde	n/a	=	17	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	0.0659	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Endrin aldehyde	n/a	=	66	%	EPA 608	-88	-88	18	136	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Endrin aldehyde	n/a	=	0.0682	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Endrin aldehyde	n/a	=	68	%	EPA 608	-88	-88	18	136	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Endrin aldehyde	n/a	=	0.0767	µg/L	EPA 608	0.003	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Endrin aldehyde	n/a	=	77	%	EPA 608	-88	-88	18	136	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Endrin aldehyde	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	EPTC	n/a	=	4.9	µg/L	EPA 525.2	0.017	1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	EPTC	n/a	=	98	%	EPA 525.2	-88	-88	82	116	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	EPTC	n/a	=	4.79	µg/L	EPA 525.2	0.017	1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	EPTC	n/a	=	96	%	EPA 525.2	-88	-88	82	116	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Ethoprop	n/a	=	0.0615	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Ethoprop	n/a	=	123	%	EPA 525.2m	-88	-88	51	167	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Ethoprop	n/a	=	0.0649	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Ethoprop	n/a	=	130	%	EPA 525.2m	-88	-88	51	167	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Ethoprop	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Ethoprop	n/a	=	0.0481	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Ethoprop	n/a	=	96	%	EPA 525.2m	-88	-88	51	167	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Ethoprop	n/a	=	0.051	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Ethoprop	n/a	=	102	%	EPA 525.2m	-88	-88	53	163	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Ethoprop	n/a	=	0.0439	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Ethoprop	n/a	=	88	%	EPA 525.2m	-88	-88	53	163	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0709	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Ethyl parathion	n/a	=	142	%	EPA 525.2m	-88	-88	5	229	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0782	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Ethyl parathion	n/a	=	156	%	EPA 525.2m	-88	-88	5	229	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Ethyl parathion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0732	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Ethyl parathion	n/a	=	146	%	EPA 525.2m	-88	-88	5	229	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0635	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Ethyl parathion	n/a	=	127	%	EPA 525.2m	-88	-88	7	230	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0571	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Ethyl parathion	n/a	=	114	%	EPA 525.2m	-88	-88	7	230	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Fensulfothion	n/a	=	0.0449	µg/L	EPA 525.2m	0.0029	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Fensulfothion	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Fensulfothion	n/a	=	0.0494	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Fensulfothion	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Fensulfothion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Fensulfothion	n/a	=	0.0425	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Fensulfothion	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Fensulfothion	n/a	=	0.0427	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Fensulfothion	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Fensulfothion	n/a	=	0.0483	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Fensulfothion	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Fenthion	n/a	=	0.0681	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Fenthion	n/a	=	136	%	EPA 525.2m	-88	-88	23	169	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Fenthion	n/a	=	0.0697	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Fenthion	n/a	=	139	%	EPA 525.2m	-88	-88	23	169	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Fenthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Fenthion	n/a	=	0.0579	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Fenthion	n/a	=	116	%	EPA 525.2m	-88	-88	23	169	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Fenthion	n/a	=	0.0471	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Fenthion	n/a	=	94	%	EPA 525.2m	-88	-88	20	177	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Fenthion	n/a	=	0.0357	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Fenthion	n/a	=	71	%	EPA 525.2m	-88	-88	20	177	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0746	µg/L	EPA 608	0.0042	0.04			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	67	%	EPA 608	-88	-88	33	112	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0666	µg/L	EPA 608	0.0042	0.04			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	60	%	EPA 608	-88	-88	33	112	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.105	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	105	%	EPA 608	-88	-88	49	117	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.106	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	106	%	EPA 608	-88	-88	49	117	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0945	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	94	%	EPA 608	-88	-88	49	117	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0842	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	84	%	EPA 608	-88	-88	49	117	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	0.102	µg/L	EPA 608	0.0021	0.02			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	102	%	EPA 608	-88	-88	49	117	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	gamma-BHC (Lindane)	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-2	Lab	method blank	12/22/2016	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-2	000NONPJ	matrix spike	11/28/2016	Pesticide	Glyphosate	n/a	=	22.3	µg/L	EPA 547	1.8	5			
2016/17-2	000NONPJ	matrix spike, rec	11/28/2016	Pesticide	Glyphosate	n/a	=	81	%	EPA 547	-88	-88	41	149	
2016/17-2	000NONPJ	matrix spike dup	11/28/2016	Pesticide	Glyphosate	n/a	=	21.4	µg/L	EPA 547	1.8	5			
2016/17-2	000NONPJ	matrix spike dup, rec	11/28/2016	Pesticide	Glyphosate	n/a	=	78	%	EPA 547	-88	-88	41	149	
2016/17-2	000NONPJ	matrix spike, RPD	11/28/2016	Pesticide	Glyphosate	n/a	=	4	%	EPA 547	-88	-88	0	30	
2016/17-2	Lab	method blank	11/28/2016	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-2	Lab	LCS	11/28/2016	Pesticide	Glyphosate	n/a	=	21.9	µg/L	EPA 547	1.8	5			
2016/17-2	Lab	LCS, rec	11/28/2016	Pesticide	Glyphosate	n/a	=	88	%	EPA 547	-88	-88	62	130	
2016/17-2	ME-CC	matrix spike	11/28/2016	Pesticide	Glyphosate	n/a	=	33.5	µg/L	EPA 547	1.8	5			
2016/17-2	ME-CC	matrix spike, rec	11/28/2016	Pesticide	Glyphosate	n/a	=	82	%	EPA 547	-88	-88	41	149	
2016/17-2	ME-CC	matrix spike dup	11/28/2016	Pesticide	Glyphosate	n/a	=	33.6	µg/L	EPA 547	1.8	5			
2016/17-2	ME-CC	matrix spike dup, rec	11/28/2016	Pesticide	Glyphosate	n/a	=	82	%	EPA 547	-88	-88	41	149	
2016/17-2	ME-CC	matrix spike, RPD	11/28/2016	Pesticide	Glyphosate	n/a	=	0.3	%	EPA 547	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Heptachlor	n/a	=	0.0711	µg/L	EPA 608	0.0034	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Heptachlor	n/a	=	64	%	EPA 608	-88	-88	28	131	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Heptachlor	n/a	=	0.0643	µg/L	EPA 608	0.0034	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Heptachlor	n/a	=	58	%	EPA 608	-88	-88	28	131	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Heptachlor	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Heptachlor	n/a	=	0.115	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Heptachlor	n/a	=	115	%	EPA 608	-88	-88	31	130	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Heptachlor	n/a	=	0.113	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Heptachlor	n/a	=	113	%	EPA 608	-88	-88	31	130	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Heptachlor	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Heptachlor	n/a	=	0.095	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Heptachlor	n/a	=	95	%	EPA 608	-88	-88	31	130	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Heptachlor	n/a	=	0.0933	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Heptachlor	n/a	=	93	%	EPA 608	-88	-88	31	130	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Heptachlor	n/a	=	0.114	µg/L	EPA 608	0.0017	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Heptachlor	n/a	=	114	%	EPA 608	-88	-88	31	130	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Heptachlor	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0628	µg/L	EPA 608	0.0038	0.02			
2016/17-2	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	57	%	EPA 608	-88	-88	36	117	
2016/17-2	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0581	µg/L	EPA 608	0.0038	0.02			
2016/17-2	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	52	%	EPA 608	-88	-88	36	117	
2016/17-2	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS	12/20/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0927	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS, rec	12/20/2016	Pesticide	Heptachlor epoxide	n/a	=	93	%	EPA 608	-88	-88	49	122	
2016/17-2	Lab	LCS dup	12/20/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0892	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS dup, rec	12/20/2016	Pesticide	Heptachlor epoxide	n/a	=	89	%	EPA 608	-88	-88	49	122	
2016/17-2	Lab	LCS, RPD	12/20/2016	Pesticide	Heptachlor epoxide	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0788	µg/L	EPA 608	0.0019	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS, rec	12/22/2016	Pesticide	Heptachlor epoxide	n/a	=	79	%	EPA 608	-88	-88	49	122	
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS	12/23/2016	Pesticide	Heptachlor epoxide	n/a	=	0.0892	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS, rec	12/23/2016	Pesticide	Heptachlor epoxide	n/a	=	89	%	EPA 608	-88	-88	49	122	
2016/17-2	Lab	LCS dup	12/23/2016	Pesticide	Heptachlor epoxide	n/a	=	0.109	µg/L	EPA 608	0.0019	0.01			
2016/17-2	Lab	LCS dup, rec	12/23/2016	Pesticide	Heptachlor epoxide	n/a	=	109	%	EPA 608	-88	-88	49	122	
2016/17-2	Lab	LCS, RPD	12/23/2016	Pesticide	Heptachlor epoxide	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Malathion	n/a	=	0.226	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Malathion	n/a	=	89	%	EPA 525.2m	-88	-88	6	184	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Malathion	n/a	=	0.276	µg/L	EPA 525.2m	0.0076	0.01			GB
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Malathion	n/a	=	190	%	EPA 525.2m	-88	-88	6	184	GB
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Malathion	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Malathion	n/a	=	0.0615	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Malathion	n/a	=	123	%	EPA 525.2m	-88	-88	6	184	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Malathion	n/a	=	0.0592	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Malathion	n/a	=	118	%	EPA 525.2m	-88	-88	14	175	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Malathion	n/a	=	0.0496	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Malathion	n/a	=	99	%	EPA 525.2m	-88	-88	14	175	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Merphos	n/a	=	0.0305	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Merphos	n/a	=	61	%	EPA 525.2m	-88	-88	3	210	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Merphos	n/a	=	0.029	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Merphos	n/a	=	58	%	EPA 525.2m	-88	-88	3	210	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Merphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Merphos	n/a	=	0.0409	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Merphos	n/a	=	82	%	EPA 525.2m	-88	-88	3	210	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Merphos	n/a	=	0.0485	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Merphos	n/a	=	97	%	EPA 525.2m	-88	-88	28	181	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Merphos	n/a	=	0.0529	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Merphos	n/a	=	106	%	EPA 525.2m	-88	-88	28	181	
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Methyl parathion	n/a	=	0.078	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Methyl parathion	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Methyl parathion	n/a	=	0.0878	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Methyl parathion	n/a	=	176	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Methyl parathion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Methyl parathion	n/a	=	0.068	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Methyl parathion	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Methyl parathion	n/a	=	0.0648	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Methyl parathion	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Methyl parathion	n/a	=	0.0623	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Methyl parathion	n/a	=	125	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Metolachlor	n/a	=	4.87	µg/L	EPA 525.2	0.012	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Metolachlor	n/a	=	97	%	EPA 525.2	-88	-88	61	123	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Metolachlor	n/a	=	4.73	µg/L	EPA 525.2	0.012	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Metolachlor	n/a	=	95	%	EPA 525.2	-88	-88	61	123	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Metribuzin	n/a	=	4.61	µg/L	EPA 525.2	0.015	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Metribuzin	n/a	=	92	%	EPA 525.2	-88	-88	50	121	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Metribuzin	n/a	=	4.37	µg/L	EPA 525.2	0.015	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Metribuzin	n/a	=	87	%	EPA 525.2	-88	-88	50	121	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Mevinphos	n/a	=	0.0536	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Mevinphos	n/a	=	107	%	EPA 525.2m	-88	-88	25	189	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Mevinphos	n/a	=	0.0571	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Mevinphos	n/a	=	114	%	EPA 525.2m	-88	-88	25	189	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Mevinphos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Mevinphos	n/a	=	0.0359	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Mevinphos	n/a	=	72	%	EPA 525.2m	-88	-88	25	189	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Mevinphos	n/a	=	0.0472	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Mevinphos	n/a	=	94	%	EPA 525.2m	-88	-88	14	202	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Mevinphos	n/a	=	0.0417	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Mevinphos	n/a	=	83	%	EPA 525.2m	-88	-88	14	202	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Molinate	n/a	=	4.84	µg/L	EPA 525.2	0.039	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Molinate	n/a	=	97	%	EPA 525.2	-88	-88	82	117	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Molinate	n/a	=	4.73	µg/L	EPA 525.2	0.039	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Molinate	n/a	=	95	%	EPA 525.2	-88	-88	82	117	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Naled	n/a	=	0.0253	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Naled	n/a	=	51	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Naled	n/a	=	0.0256	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Naled	n/a	=	51	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Naled	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Naled	n/a	=	0.0196	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Naled	n/a	=	39	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Naled	n/a	=	0.0212	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Naled	n/a	=	42	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Naled	n/a	=	0.0186	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Naled	n/a	=	37	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.54	µg/L	EPA 515.3	0.04	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.55	µg/L	EPA 515.3	0.04	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	4.94	µg/L	EPA 515.3	0.04	0.2			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	4.84	µg/L	EPA 515.3	0.04	0.2			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	3.42	µg/L	EPA 515.3	0.04	0.2			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Pentachlorophenol	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	method blank	12/10/2016	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/10/2016	Pesticide	Pentachlorophenol	n/a	=	17.2	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/10/2016	Pesticide	Pentachlorophenol	n/a	=	69	%	EPA 625	-88	-88	14	176	
2016/17-2	Lab	LCS dup	12/10/2016	Pesticide	Pentachlorophenol	n/a	=	15.3	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/10/2016	Pesticide	Pentachlorophenol	n/a	=	61	%	EPA 625	-88	-88	14	176	
2016/17-2	Lab	LCS, RPD	12/10/2016	Pesticide	Pentachlorophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/14/2016	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS	12/14/2016	Pesticide	Pentachlorophenol	n/a	=	17.4	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS, rec	12/14/2016	Pesticide	Pentachlorophenol	n/a	=	70	%	EPA 625	-88	-88	14	176	
2016/17-2	Lab	LCS dup	12/14/2016	Pesticide	Pentachlorophenol	n/a	=	16.6	µg/L	EPA 625	0.19	1			
2016/17-2	Lab	LCS dup, rec	12/14/2016	Pesticide	Pentachlorophenol	n/a	=	67	%	EPA 625	-88	-88	14	176	
2016/17-2	Lab	LCS, RPD	12/14/2016	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-2	Lab	method blank	12/21/2016	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-2	Lab	LCS	12/21/2016	Pesticide	Pentachlorophenol	n/a	=	9.45	µg/L	EPA 8270C	0.15	1			
2016/17-2	Lab	LCS, rec	12/21/2016	Pesticide	Pentachlorophenol	n/a	=	94	%	EPA 8270C	-88	-88	29	106	
2016/17-2	Lab	LCS dup	12/21/2016	Pesticide	Pentachlorophenol	n/a	=	8.08	µg/L	EPA 8270C	0.15	1			
2016/17-2	Lab	LCS dup, rec	12/21/2016	Pesticide	Pentachlorophenol	n/a	=	81	%	EPA 8270C	-88	-88	29	106	
2016/17-2	Lab	LCS, RPD	12/21/2016	Pesticide	Pentachlorophenol	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Phorate	n/a	=	0.0624	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Phorate	n/a	=	125	%	EPA 525.2m	-88	-88	31	181	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Phorate	n/a	=	0.0647	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Phorate	n/a	=	129	%	EPA 525.2m	-88	-88	31	181	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Phorate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Phorate	n/a	=	0.0577	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Phorate	n/a	=	115	%	EPA 525.2m	-88	-88	31	181	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Phorate	n/a	=	0.0523	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Phorate	n/a	=	105	%	EPA 525.2m	-88	-88	26	180	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Phorate	n/a	=	0.0486	µg/L	EPA 525.2m	0.003	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Phorate	n/a	=	97	%	EPA 525.2m	-88	-88	26	180	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Picloram	n/a	=	3.95	µg/L	EPA 515.3	0.05	0.6			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Picloram	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Picloram	n/a	=	3.81	µg/L	EPA 515.3	0.05	0.6			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Picloram	n/a	=	95	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	12/3/2016	Pesticide	Picloram	n/a	=	4.08	µg/L	EPA 515.3	0.05	0.6			
2016/17-2	000NONPJ	matrix spike, rec	12/3/2016	Pesticide	Picloram	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike dup	12/3/2016	Pesticide	Picloram	n/a	=	4.24	µg/L	EPA 515.3	0.05	0.6			
2016/17-2	000NONPJ	matrix spike dup, rec	12/3/2016	Pesticide	Picloram	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-2	000NONPJ	matrix spike, RPD	12/3/2016	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-2	Lab	method blank	12/3/2016	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-2	Lab	LCS	12/3/2016	Pesticide	Picloram	n/a	=	3.71	µg/L	EPA 515.3	0.05	0.6			
2016/17-2	Lab	LCS, rec	12/3/2016	Pesticide	Picloram	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Prometon	n/a	=	1.16	µg/L	EPA 525.2	0.024	0.2			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Prometon	n/a	=	23	%	EPA 525.2	-88	-88	17	101	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Prometon	n/a	=	1.16	µg/L	EPA 525.2	0.024	0.2			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Prometon	n/a	=	23	%	EPA 525.2	-88	-88	17	101	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Prometon	n/a	=	0	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Prometryn	n/a	=	3.35	µg/L	EPA 525.2	0.036	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Prometryn	n/a	=	67	%	EPA 525.2	-88	-88	57	122	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Prometryn	n/a	=	3.47	µg/L	EPA 525.2	0.036	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Prometryn	n/a	=	69	%	EPA 525.2	-88	-88	57	122	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Prometryn	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0688	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	138	%	EPA 525.2m	-88	-88	29	153	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0699	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	140	%	EPA 525.2m	-88	-88	29	153	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0649	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	130	%	EPA 525.2m	-88	-88	29	153	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0583	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	117	%	EPA 525.2m	-88	-88	34	154	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0474	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	95	%	EPA 525.2m	-88	-88	34	154	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Simazine	n/a	=	4.87	µg/L	EPA 525.2	0.015	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Simazine	n/a	=	97	%	EPA 525.2	-88	-88	53	116	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Simazine	n/a	=	4.34	µg/L	EPA 525.2	0.015	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Simazine	n/a	=	87	%	EPA 525.2	-88	-88	53	116	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Simazine	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0675	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0716	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0581	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	167	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0561	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0426	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Terbacil	n/a	=	5.18	µg/L	EPA 525.2	0.55	2			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Terbacil	n/a	=	104	%	EPA 525.2	-88	-88	70	135	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Terbacil	n/a	=	5.2	µg/L	EPA 525.2	0.55	2			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Terbacil	n/a	=	104	%	EPA 525.2	-88	-88	70	135	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Terbacil	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Thiobencarb	n/a	=	5.21	µg/L	EPA 525.2	0.025	0.2			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Thiobencarb	n/a	=	104	%	EPA 525.2	-88	-88	56	125	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Thiobencarb	n/a	=	4.93	µg/L	EPA 525.2	0.025	0.2			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Thiobencarb	n/a	=	99	%	EPA 525.2	-88	-88	56	125	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Thiobencarb	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Tokuthion	n/a	=	0.0456	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Tokuthion	n/a	=	91	%	EPA 525.2m	-88	-88	27	160	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Tokuthion	n/a	=	0.0446	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Tokuthion	n/a	=	89	%	EPA 525.2m	-88	-88	27	160	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Tokuthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Tokuthion	n/a	=	0.0514	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Tokuthion	n/a	=	103	%	EPA 525.2m	-88	-88	27	160	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Tokuthion	n/a	=	0.0473	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Tokuthion	n/a	=	95	%	EPA 525.2m	-88	-88	23	159	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Tokuthion	n/a	=	0.0549	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-2	Lab	method blank	12/20/2016	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-2	Lab	method blank	12/22/2016	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-2	Lab	method blank	12/23/2016	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Trichloronate	n/a	=	0.0738	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Trichloronate	n/a	=	148	%	EPA 525.2m	-88	-88	40	150	
2016/17-2	000NONPJ	matrix spike dup	11/30/2016	Pesticide	Trichloronate	n/a	=	0.0701	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	000NONPJ	matrix spike dup, rec	11/30/2016	Pesticide	Trichloronate	n/a	=	140	%	EPA 525.2m	-88	-88	40	150	
2016/17-2	000NONPJ	matrix spike, RPD	11/30/2016	Pesticide	Trichloronate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-2	000NONPJ	matrix spike	11/30/2016	Pesticide	Trichloronate	n/a	=	0.072	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	000NONPJ	matrix spike, rec	11/30/2016	Pesticide	Trichloronate	n/a	=	144	%	EPA 525.2m	-88	-88	40	150	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Trichloronate	n/a	=	0.0649	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Trichloronate	n/a	=	130	%	EPA 525.2m	-88	-88	34	153	
2016/17-2	Lab	method blank	11/30/2016	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS	11/30/2016	Pesticide	Trichloronate	n/a	=	0.0522	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-2	Lab	LCS, rec	11/30/2016	Pesticide	Trichloronate	n/a	=	104	%	EPA 525.2m	-88	-88	34	153	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-2	Lab	method blank	12/5/2016	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-2	Lab	LCS	12/5/2016	Pesticide	Trithion	n/a	=	5.13	µg/L	EPA 525.2	0.012	0.1			
2016/17-2	Lab	LCS, rec	12/5/2016	Pesticide	Trithion	n/a	=	103	%	EPA 525.2	-88	-88	60	124	
2016/17-2	Lab	LCS dup	12/5/2016	Pesticide	Trithion	n/a	=	4.94	µg/L	EPA 525.2	0.012	0.1			
2016/17-2	Lab	LCS dup, rec	12/5/2016	Pesticide	Trithion	n/a	=	99	%	EPA 525.2	-88	-88	60	124	
2016/17-2	Lab	LCS, RPD	12/5/2016	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/27/2016	Anion	Chloride	n/a	=	150	mg/L	EPA 300.0	1	5			
2016/17-3	000NONPJ	matrix spike dup	12/27/2016	Anion	Chloride	n/a	=	151	mg/L	EPA 300.0	1	5			
2016/17-3	000NONPJ	matrix spike dup, rec	12/27/2016	Anion	Chloride	n/a	=	108	%	EPA 300.0	-88	-88	76	118	
2016/17-3	000NONPJ	matrix spike, rec	12/27/2016	Anion	Chloride	n/a	=	107	%	EPA 300.0	-88	-88	76	118	
2016/17-3	000NONPJ	matrix spike, RPD	12/27/2016	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-3	Lab	LCS	12/27/2016	Anion	Chloride	n/a	=	5.23	mg/L	EPA 300.0	0.1	0.5			
2016/17-3	Lab	LCS, rec	12/27/2016	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	90	110	
2016/17-3	Lab	method blank	12/27/2016	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-3	MO-CAM	matrix spike	12/27/2016	Anion	Chloride	n/a	=	58.8	mg/L	EPA 300.0	1	5			
2016/17-3	MO-CAM	matrix spike dup	12/27/2016	Anion	Chloride	n/a	=	58.7	mg/L	EPA 300.0	1	5			
2016/17-3	MO-CAM	matrix spike dup, rec	12/27/2016	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2016/17-3	MO-CAM	matrix spike, rec	12/27/2016	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2016/17-3	MO-CAM	matrix spike, RPD	12/27/2016	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2016/17-3	000NONPJ	matrix spike	12/27/2016	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2016/17-3	000NONPJ	matrix spike dup	12/27/2016	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/27/2016	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2016/17-3	000NONPJ	matrix spike, rec	12/27/2016	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2016/17-3	000NONPJ	matrix spike, RPD	12/27/2016	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2016/17-3	Lab	LCS	12/27/2016	Anion	Fluoride	n/a	=	1.08	mg/L	EPA 300.0	0.02	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Anion	Fluoride	n/a	=	109	%	EPA 300.0	-88	-88	90	110	
2016/17-3	Lab	method blank	12/27/2016	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-3	MO-CAM	matrix spike	12/27/2016	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2016/17-3	MO-CAM	matrix spike dup	12/27/2016	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2016/17-3	MO-CAM	matrix spike dup, rec	12/27/2016	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2016/17-3	MO-CAM	matrix spike, rec	12/27/2016	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2016/17-3	MO-CAM	matrix spike, RPD	12/27/2016	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2016/17-3	000NONPJ	matrix spike	12/21/2016	Anion	Perchlorate	n/a	=	8.43	µg/L	EPA 314.0	0.95	2			
2016/17-3	000NONPJ	matrix spike, rec	12/21/2016	Anion	Perchlorate	n/a	=	84	%	EPA 314.0	-88	-88	80	120	
2016/17-3	000NONPJ	matrix spike dup	12/21/2016	Anion	Perchlorate	n/a	=	9.5	µg/L	EPA 314.0	0.95	2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/21/2016	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	80	120	
2016/17-3	000NONPJ	matrix spike, RPD	12/21/2016	Anion	Perchlorate	n/a	=	12	%	EPA 314.0	-88	-88	0	15	
2016/17-3	Lab	method blank	12/21/2016	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-3	Lab	LCS	12/21/2016	Anion	Perchlorate	n/a	=	9.45	µg/L	EPA 314.0	0.95	2			
2016/17-3	Lab	LCS, rec	12/21/2016	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	85	115	
2016/17-3	000NONPJ	matrix spike	12/27/2016	Anion	Sulfate	Total	=	131	mg/L	EPA 300.0	1	5			
2016/17-3	000NONPJ	matrix spike dup	12/27/2016	Anion	Sulfate	Total	=	131	mg/L	EPA 300.0	1	5			
2016/17-3	000NONPJ	matrix spike dup, rec	12/27/2016	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2016/17-3	000NONPJ	matrix spike, rec	12/27/2016	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2016/17-3	000NONPJ	matrix spike, RPD	12/27/2016	Anion	Sulfate	Total	=	0.02	%	EPA 300.0	-88	-88	0	20	
2016/17-3	Lab	LCS	12/27/2016	Anion	Sulfate	Total	=	5.28	mg/L	EPA 300.0	0.1	0.5			
2016/17-3	Lab	LCS, rec	12/27/2016	Anion	Sulfate	Total	=	105	%	EPA 300.0	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	12/27/2016	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-3	MO-CAM	matrix spike	12/27/2016	Anion	Sulfate	Total	=	60.2	mg/L	EPA 300.0	1	5			
2016/17-3	MO-CAM	matrix spike dup	12/27/2016	Anion	Sulfate	Total	=	60.4	mg/L	EPA 300.0	1	5			
2016/17-3	MO-CAM	matrix spike dup, rec	12/27/2016	Anion	Sulfate	Total	=	105	%	EPA 300.0	-88	-88	78	111	
2016/17-3	MO-CAM	matrix spike, rec	12/27/2016	Anion	Sulfate	Total	=	105	%	EPA 300.0	-88	-88	78	111	
2016/17-3	MO-CAM	matrix spike, RPD	12/27/2016	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2016/17-3	MO-CAM	field duplicate	12/16/2016	Bacteriological	E. Coli	n/a	=	3076	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2016/17-3	MO-SPA	field blank	12/16/2016	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2016/17-3	MO-CAM	field duplicate	12/19/2016	Bacteriological	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2016/17-3	MO-SPA	field blank	12/17/2016	Bacteriological	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2016/17-3	MO-CAM	field duplicate	12/16/2016	Bacteriological	Total Coliform	n/a	=	21430	MPN/100 mL	MMO-MUG	100	100	-88	-88	
2016/17-3	MO-SPA	field blank	12/16/2016	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2016/17-3	Lab	method blank	12/27/2016	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	Lab	LCS	12/27/2016	Cation	Calcium	Total	=	48	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	Lab	LCS	12/29/2016	Cation	Calcium	Total	=	45.3	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	Lab	LCS, rec	12/29/2016	Cation	Calcium	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2016/17-3	ME-CC	matrix spike	12/29/2016	Cation	Calcium	Total	=	80.2	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	ME-CC	matrix spike, rec	12/29/2016	Cation	Calcium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike dup	12/29/2016	Cation	Calcium	Total	=	80.4	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	ME-CC	matrix spike dup, rec	12/29/2016	Cation	Calcium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike, RPD	12/29/2016	Cation	Calcium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2016/17-3	ME-VR2	matrix spike	12/29/2016	Cation	Calcium	Total	=	170	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Cation	Calcium	Total	=	170	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Cation	Calcium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	MO-THO	matrix spike	12/27/2016	Cation	Calcium	Total	=	82.5	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	MO-THO	matrix spike, rec	12/27/2016	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike dup	12/27/2016	Cation	Calcium	Total	=	83.4	mg/L	EPA 200.7	0.016	0.1			
2016/17-3	MO-THO	matrix spike dup, rec	12/27/2016	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike, RPD	12/27/2016	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	Lab	LCS	12/27/2016	Cation	Magnesium	Total	=	50.1	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	Lab	LCS	12/29/2016	Cation	Magnesium	Total	=	47.8	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	Lab	LCS, rec	12/29/2016	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2016/17-3	ME-CC	matrix spike	12/29/2016	Cation	Magnesium	Total	=	69.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	ME-CC	matrix spike, rec	12/29/2016	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike dup	12/29/2016	Cation	Magnesium	Total	=	69.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	ME-CC	matrix spike dup, rec	12/29/2016	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike, RPD	12/29/2016	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	ME-VR2	matrix spike	12/29/2016	Cation	Magnesium	Total	=	90.2	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Cation	Magnesium	Total	=	90.1	mg/L	EPA 200.7	0.012	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Cation	Magnesium	Total	=	0.07	%	EPA 200.7	-88	-88	0	30	
2016/17-3	MO-THO	matrix spike	12/27/2016	Cation	Magnesium	Total	=	78.5	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	MO-THO	matrix spike, rec	12/27/2016	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike dup	12/27/2016	Cation	Magnesium	Total	=	79.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-3	MO-THO	matrix spike dup, rec	12/27/2016	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike, RPD	12/27/2016	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	Lab	LCS	12/27/2016	Cation	Potassium	Total	=	51	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Cation	Potassium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	Lab	LCS	12/29/2016	Cation	Potassium	Total	=	48.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	Lab	LCS, rec	12/29/2016	Cation	Potassium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2016/17-3	ME-CC	matrix spike	12/29/2016	Cation	Potassium	Total	=	61	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	ME-CC	matrix spike, rec	12/29/2016	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike dup	12/29/2016	Cation	Potassium	Total	=	60.9	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	ME-CC	matrix spike dup, rec	12/29/2016	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike, RPD	12/29/2016	Cation	Potassium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	ME-VR2	matrix spike	12/29/2016	Cation	Potassium	Total	=	57.6	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Cation	Potassium	Total	=	57.5	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Cation	Potassium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Cation	Potassium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	MO-THO	matrix spike	12/27/2016	Cation	Potassium	Total	=	56.8	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	MO-THO	matrix spike, rec	12/27/2016	Cation	Potassium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike dup	12/27/2016	Cation	Potassium	Total	=	57.8	mg/L	EPA 200.7	0.081	0.1			
2016/17-3	MO-THO	matrix spike dup, rec	12/27/2016	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike, RPD	12/27/2016	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Cation	Sodium	Total	DNQ	0.141	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-3	Lab	LCS	12/27/2016	Cation	Sodium	Total	=	49.1	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	Lab	LCS, rec	12/27/2016	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Cation	Sodium	Total	DNQ	0.166	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-3	Lab	LCS	12/29/2016	Cation	Sodium	Total	=	46	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	Lab	LCS, rec	12/29/2016	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2016/17-3	ME-CC	matrix spike	12/29/2016	Cation	Sodium	Total	=	121	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	ME-CC	matrix spike, rec	12/29/2016	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike dup	12/29/2016	Cation	Sodium	Total	=	121	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	ME-CC	matrix spike dup, rec	12/29/2016	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-CC	matrix spike, RPD	12/29/2016	Cation	Sodium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2016/17-3	ME-VR2	matrix spike	12/29/2016	Cation	Sodium	Total	=	123	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Cation	Sodium	Total	=	123	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Cation	Sodium	Total	=	0.05	%	EPA 200.7	-88	-88	0	30	
2016/17-3	MO-THO	matrix spike	12/27/2016	Cation	Sodium	Total	=	89.8	mg/L	EPA 200.7	0.015	0.5			
2016/17-3	MO-THO	matrix spike, rec	12/27/2016	Cation	Sodium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike dup	12/27/2016	Cation	Sodium	Total	=	91	mg/L	EPA 200.7	0.015	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-THO	matrix spike dup, rec	12/27/2016	Cation	Sodium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-3	MO-THO	matrix spike, RPD	12/27/2016	Cation	Sodium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-3	000NONPJ	lab duplicate	12/28/2016	Conventional	Alkalinity as CaCO3	n/a	=	25.8	mg/L	SM 2320 B	0.56	2		15	
2016/17-3	Lab	LCS	12/22/2016	Conventional	Alkalinity as CaCO3	n/a	=	248	mg/L	SM 2320 B	0.56	10			
2016/17-3	Lab	LCS, rec	12/22/2016	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2016/17-3	Lab	method blank	12/22/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.45	mg/L	SM 2320 B	0.56	10			IP
2016/17-3	Lab	LCS	12/28/2016	Conventional	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	2			
2016/17-3	Lab	LCS, rec	12/28/2016	Conventional	Alkalinity as CaCO3	n/a	=	104	%	SM 2320 B	-88	-88	94	108	
2016/17-3	Lab	method blank	12/28/2016	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.49	mg/L	SM 2320 B	0.56	2			IP
2016/17-3	ME-VR2	lab duplicate	12/22/2016	Conventional	Alkalinity as CaCO3	n/a	=	328	mg/L	SM 2320 B	0.56	10		15	
2016/17-3	000NONPJ	lab duplicate	12/22/2016	Conventional	BOD	n/a	=	5.18	mg/L	SM 5210 B	2	2		20	
2016/17-3	Lab	LCS	12/22/2016	Conventional	BOD	n/a	=	202	mg/L	SM 5210 B	2	2			
2016/17-3	Lab	LCS, rec	12/22/2016	Conventional	BOD	n/a	=	102	%	SM 5210 B	-88	-88	85	115	
2016/17-3	000NONPJ	lab duplicate	12/23/2016	Conventional	COD	n/a	=	553	mg/L	EPA 410.4	1.5	10		15	
2016/17-3	000NONPJ	matrix spike	12/23/2016	Conventional	COD	n/a	=	215	mg/L	EPA 410.4	1.5	10			
2016/17-3	000NONPJ	matrix spike dup	12/23/2016	Conventional	COD	n/a	=	222	mg/L	EPA 410.4	1.5	10			
2016/17-3	000NONPJ	matrix spike dup, rec	12/23/2016	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, rec	12/23/2016	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/23/2016	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2016/17-3	000NONPJ	lab duplicate	12/28/2016	Conventional	COD	n/a	=	6870	mg/L	EPA 410.4	7.3	50		15	
2016/17-3	000NONPJ	lab duplicate	12/30/2016	Conventional	COD	n/a	=	633	mg/L	EPA 410.4	1.5	10		15	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Conventional	COD	n/a	=	199	mg/L	EPA 410.4	1.5	10			
2016/17-3	000NONPJ	matrix spike	12/30/2016	Conventional	COD	n/a	=	207	mg/L	EPA 410.4	1.5	10			
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Conventional	COD	n/a	=	204	mg/L	EPA 410.4	1.5	10			
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Conventional	COD	n/a	=	214	mg/L	EPA 410.4	1.5	10			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2016/17-3	Lab	LCS	12/23/2016	Conventional	COD	n/a	=	99.9	mg/L	EPA 410.4	0.73	5			
2016/17-3	Lab	LCS, rec	12/23/2016	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-3	Lab	method blank	12/23/2016	Conventional	COD	n/a	DNQ	0.85	mg/L	EPA 410.4	0.73	5			IP
2016/17-3	Lab	LCS	12/28/2016	Conventional	COD	n/a	=	109	mg/L	EPA 410.4	0.73	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Conventional	COD	n/a	=	109	%	EPA 410.4	-88	-88	90	110	
2016/17-3	Lab	method blank	12/28/2016	Conventional	COD	n/a	DNQ	0.97	mg/L	EPA 410.4	0.73	5			IP
2016/17-3	Lab	LCS	12/30/2016	Conventional	COD	n/a	=	106	mg/L	EPA 410.4	0.73	5			
2016/17-3	Lab	LCS, rec	12/30/2016	Conventional	COD	n/a	=	106	%	EPA 410.4	-88	-88	90	110	
2016/17-3	Lab	method blank	12/30/2016	Conventional	COD	n/a	DNQ	1.3	mg/L	EPA 410.4	0.73	5			IP
2016/17-3	MO-CAM	matrix spike	12/28/2016	Conventional	COD	n/a	=	255	mg/L	EPA 410.4	1.5	10			
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Conventional	COD	n/a	=	251	mg/L	EPA 410.4	1.5	10			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Conventional	COD	n/a	=	259	mg/L	EPA 410.4	1.5	10			
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Conventional	COD	n/a	=	257	mg/L	EPA 410.4	1.5	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Conventional	COD	n/a	=	0.7	%	EPA 410.4	-88	-88	0	15	
2016/17-3	000NONPJ	matrix spike	12/27/2016	Conventional	Cyanide	Total	=	0.0532	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	000NONPJ	matrix spike	12/27/2016	Conventional	Cyanide	Total	=	0.0508	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	000NONPJ	matrix spike dup	12/27/2016	Conventional	Cyanide	Total	=	0.0535	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	000NONPJ	matrix spike dup	12/27/2016	Conventional	Cyanide	Total	=	0.0527	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	000NONPJ	matrix spike dup, rec	12/27/2016	Conventional	Cyanide	Total	=	105	%	ASTM D7511	-88	-88	64	136	
2016/17-3	000NONPJ	matrix spike dup, rec	12/27/2016	Conventional	Cyanide	Total	=	107	%	ASTM D7511	-88	-88	64	136	
2016/17-3	000NONPJ	matrix spike, rec	12/27/2016	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	64	136	
2016/17-3	000NONPJ	matrix spike, rec	12/27/2016	Conventional	Cyanide	Total	=	106	%	ASTM D7511	-88	-88	64	136	
2016/17-3	000NONPJ	matrix spike, RPD	12/27/2016	Conventional	Cyanide	Total	=	0.4	%	ASTM D7511	-88	-88	0	47	
2016/17-3	000NONPJ	matrix spike, RPD	12/27/2016	Conventional	Cyanide	Total	=	4	%	ASTM D7511	-88	-88	0	47	
2016/17-3	000NONPJ	matrix spike	12/28/2016	Conventional	Cyanide	Total	=	0.216	mg/L	ASTM D7511	0.0024	0.01			
2016/17-3	000NONPJ	matrix spike dup	12/28/2016	Conventional	Cyanide	Total	=	0.212	mg/L	ASTM D7511	0.0024	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/28/2016	Conventional	Cyanide	Total	=	85	%	ASTM D7511	-88	-88	64	136	
2016/17-3	000NONPJ	matrix spike, rec	12/28/2016	Conventional	Cyanide	Total	=	86	%	ASTM D7511	-88	-88	64	136	
2016/17-3	000NONPJ	matrix spike, RPD	12/28/2016	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2016/17-3	Lab	LCS	12/27/2016	Conventional	Cyanide	Total	=	0.047	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	Lab	LCS dup	12/27/2016	Conventional	Cyanide	Total	=	0.0469	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2016/17-3	Lab	LCS, rec	12/27/2016	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2016/17-3	Lab	LCS, RPD	12/27/2016	Conventional	Cyanide	Total	=	0.2	%	ASTM D7511	-88	-88	0	12	
2016/17-3	Lab	method blank	12/27/2016	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	Lab	LCS	12/28/2016	Conventional	Cyanide	Total	=	0.0495	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	Lab	LCS, rec	12/28/2016	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	84	116	
2016/17-3	Lab	method blank	12/28/2016	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	MO-CAM	field duplicate	12/28/2016	Conventional	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	MO-HUE	matrix spike	12/28/2016	Conventional	Cyanide	Total	=	0.0476	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	MO-HUE	matrix spike dup	12/28/2016	Conventional	Cyanide	Total	=	0.0481	mg/L	ASTM D7511	0.0005	0.002			
2016/17-3	MO-HUE	matrix spike dup, rec	12/28/2016	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2016/17-3	MO-HUE	matrix spike, rec	12/28/2016	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	64	136	
2016/17-3	MO-HUE	matrix spike, RPD	12/28/2016	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2016/17-3	Lab	LCS	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	0.5	0.5			
2016/17-3	Lab	LCS	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.33	mg/L	SM 5310 C	0.5	0.5			
2016/17-3	Lab	LCS, rec	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	93	%	SM 5310 C	-88	-88	85	115	
2016/17-3	Lab	LCS, rec	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	112	%	SM 5310 C	-88	-88	85	115	
2016/17-3	Lab	method blank	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-3	Lab	method blank	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-3	ME-CC	matrix spike	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	81	mg/L	SM 5310 C	5	5			
2016/17-3	ME-CC	matrix spike dup	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	79.6	mg/L	SM 5310 C	5	5			
2016/17-3	ME-CC	matrix spike dup, rec	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	102	%	SM 5310 C	-88	-88	80	116	
2016/17-3	ME-CC	matrix spike, rec	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	105	%	SM 5310 C	-88	-88	80	116	
2016/17-3	ME-CC	matrix spike, RPD	12/27/2016	Conventional	Dissolved Inorganic Carbon	Dissolved	=	2	%	SM 5310 C	-88	-88	0	20	
2016/17-3	Lab	LCS	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	5.09	mg/L	SM 5310 C	0.013	0.3			
2016/17-3	Lab	LCS	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	9.97	mg/L	SM 5310 C	0.013	0.3			
2016/17-3	Lab	LCS, rec	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	100	%	SM 5310 C	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, rec	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	102	%	SM 5310 C	-88	-88	85	115	
2016/17-3	Lab	method blank	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.109	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-3	Lab	method blank	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0747	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-3	ME-VR2	matrix spike	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	8.38	mg/L	SM 5310 C	0.013	0.3			
2016/17-3	ME-VR2	matrix spike dup	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	8.81	mg/L	SM 5310 C	0.013	0.3			
2016/17-3	ME-VR2	matrix spike dup, rec	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	95	%	SM 5310 C	-88	-88	75	113	
2016/17-3	ME-VR2	matrix spike, rec	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	86	%	SM 5310 C	-88	-88	75	113	
2016/17-3	ME-VR2	matrix spike, RPD	12/23/2016	Conventional	Dissolved Organic Carbon	Dissolved	=	5	%	SM 5310 C	-88	-88	0	20	
2016/17-3	Lab	LCS	12/17/2016	Conventional	MBAS	n/a	=	0.216	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	Lab	LCS, rec	12/17/2016	Conventional	MBAS	n/a	=	108	%	SM 5540 C	-88	-88	82	115	
2016/17-3	Lab	method blank	12/17/2016	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	Lab	LCS	12/17/2016	Conventional	MBAS	n/a	=	0.207	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	Lab	LCS, rec	12/17/2016	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	82	115	
2016/17-3	Lab	method blank	12/17/2016	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	MO-FIL	matrix spike	12/17/2016	Conventional	MBAS	n/a	=	0.273	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	MO-FIL	matrix spike dup	12/17/2016	Conventional	MBAS	n/a	=	0.27	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	MO-FIL	matrix spike dup, rec	12/17/2016	Conventional	MBAS	n/a	=	102	%	SM 5540 C	-88	-88	74	123	
2016/17-3	MO-FIL	matrix spike, rec	12/17/2016	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	74	123	
2016/17-3	MO-FIL	matrix spike, RPD	12/17/2016	Conventional	MBAS	n/a	=	1	%	SM 5540 C	-88	-88	0	20	
2016/17-3	MO-SIM	matrix spike	12/17/2016	Conventional	MBAS	n/a	=	0.293	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	MO-SIM	matrix spike dup	12/17/2016	Conventional	MBAS	n/a	=	0.286	mg/L	SM 5540 C	0.019	0.05			
2016/17-3	MO-SIM	matrix spike dup, rec	12/17/2016	Conventional	MBAS	n/a	=	101	%	SM 5540 C	-88	-88	74	123	
2016/17-3	MO-SIM	matrix spike, rec	12/17/2016	Conventional	MBAS	n/a	=	105	%	SM 5540 C	-88	-88	74	123	
2016/17-3	MO-SIM	matrix spike, RPD	12/17/2016	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2016/17-3	Lab	method blank	12/28/2016	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	Lab	LCS	12/28/2016	Conventional	Phenolics	n/a	=	0.0989	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	Lab	LCS, rec	12/28/2016	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2016/17-3	Lab	method blank	12/29/2016	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	Lab	LCS	12/29/2016	Conventional	Phenolics	n/a	=	0.0968	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	Lab	LCS, rec	12/29/2016	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2016/17-3	ME-VR2	matrix spike	12/28/2016	Conventional	Phenolics	n/a	=	0.257	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	ME-VR2	matrix spike, rec	12/28/2016	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2016/17-3	ME-VR2	matrix spike dup	12/28/2016	Conventional	Phenolics	n/a	=	0.258	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	ME-VR2	matrix spike dup, rec	12/28/2016	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2016/17-3	ME-VR2	matrix spike, RPD	12/28/2016	Conventional	Phenolics	n/a	=	0.3	%	EPA 420.4	-88	-88	0	20	
2016/17-3	MO-MPK	matrix spike	12/29/2016	Conventional	Phenolics	n/a	=	0.254	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	MO-MPK	matrix spike, rec	12/29/2016	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2016/17-3	MO-MPK	matrix spike dup	12/29/2016	Conventional	Phenolics	n/a	=	0.251	mg/L	EPA 420.4	0.0042	0.01			
2016/17-3	MO-MPK	matrix spike dup, rec	12/29/2016	Conventional	Phenolics	n/a	=	96	%	EPA 420.4	-88	-88	90	110	
2016/17-3	MO-MPK	matrix spike, RPD	12/29/2016	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2016/17-3	000NONPJ	lab duplicate	12/20/2016	Conventional	Specific Conductance	n/a	=	69.1	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-3	000NONPJ	lab duplicate	12/22/2016	Conventional	Specific Conductance	n/a	=	7580	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-3	Lab	LCS	12/20/2016	Conventional	Specific Conductance	n/a	=	197	µmhos/cm	SM 2510 B	0.23	2			
2016/17-3	Lab	LCS, rec	12/20/2016	Conventional	Specific Conductance	n/a	=	99	%	SM 2510 B	-88	-88	95	105	
2016/17-3	Lab	method blank	12/20/2016	Conventional	Specific Conductance	n/a	DNQ	0.9	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-3	Lab	LCS	12/20/2016	Conventional	Specific Conductance	n/a	=	207	µmhos/cm	SM 2510 B	0.23	2			
2016/17-3	Lab	LCS, rec	12/20/2016	Conventional	Specific Conductance	n/a	=	104	%	SM 2510 B	-88	-88	95	105	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	12/20/2016	Conventional	Specific Conductance	n/a	DNQ	0.88	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-3	Lab	LCS	12/22/2016	Conventional	Specific Conductance	n/a	=	25700	µmhos/cm	SM 2510 B	0.23	2			
2016/17-3	Lab	LCS, rec	12/22/2016	Conventional	Specific Conductance	n/a	=	103	%	SM 2510 B	-88	-88	95	105	
2016/17-3	Lab	method blank	12/22/2016	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2016/17-3	MO-MEI	lab duplicate	12/20/2016	Conventional	Specific Conductance	n/a	=	64.6	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-3	Lab	LCS	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	0.194	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-3	Lab	LCS, rec	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	97	%	SM 4500-Cl G	-88	-88	85	110	
2016/17-3	Lab	method blank	12/17/2016	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-3	ME-CC	matrix spike	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	0.2	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-3	ME-CC	matrix spike dup	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	0.228	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-3	ME-CC	matrix spike dup, rec	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	108	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-3	ME-CC	matrix spike, rec	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	94	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-3	ME-CC	matrix spike, RPD	12/17/2016	Conventional	Total Chlorine Residual	n/a	=	13	%	SM 4500-Cl G	-88	-88	0	15	
2016/17-3	000NONPJ	lab duplicate	12/22/2016	Conventional	Total Dissolved Solids	n/a	=	54	mg/L	SM 2540 C	4	10		10	
2016/17-3	Lab	LCS	12/22/2016	Conventional	Total Dissolved Solids	n/a	=	794	mg/L	SM 2540 C	4	10			
2016/17-3	Lab	LCS, rec	12/22/2016	Conventional	Total Dissolved Solids	n/a	=	96	%	SM 2540 C	-88	-88	96	102	
2016/17-3	Lab	method blank	12/22/2016	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-3	MO-HUE	lab duplicate	12/22/2016	Conventional	Total Dissolved Solids	n/a	=	2730	mg/L	SM 2540 C	4	10		10	
2016/17-3	000NONPJ	matrix spike	12/20/2016	Conventional	Total Organic Carbon	n/a	=	7.62	mg/L	SM 5310 C	0.009	0.3			
2016/17-3	000NONPJ	matrix spike dup	12/20/2016	Conventional	Total Organic Carbon	n/a	=	8.03	mg/L	SM 5310 C	0.009	0.3			
2016/17-3	000NONPJ	matrix spike dup, rec	12/20/2016	Conventional	Total Organic Carbon	n/a	=	107	%	SM 5310 C	-88	-88	80	116	
2016/17-3	000NONPJ	matrix spike, rec	12/20/2016	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	80	116	
2016/17-3	000NONPJ	matrix spike, RPD	12/20/2016	Conventional	Total Organic Carbon	n/a	=	5	%	SM 5310 C	-88	-88	0	20	
2016/17-3	Lab	LCS	12/20/2016	Conventional	Total Organic Carbon	n/a	=	4.99	mg/L	SM 5310 C	0.009	0.3			
2016/17-3	Lab	LCS, rec	12/20/2016	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 C	-88	-88	85	115	
2016/17-3	Lab	method blank	12/20/2016	Conventional	Total Organic Carbon	n/a	DNQ	0.0645	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-3	Lab	LCS	12/21/2016	Conventional	Total Organic Carbon	n/a	=	10.1	mg/L	SM 5310 C	0.009	0.3			
2016/17-3	Lab	LCS, rec	12/21/2016	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 C	-88	-88	85	115	
2016/17-3	000NONPJ	lab duplicate	12/23/2016	Conventional	Total Suspended Solids	n/a	=	18	mg/L	SM 2540 D	-88	5		20	
2016/17-3	000NONPJ	lab duplicate	12/23/2016	Conventional	Total Suspended Solids	n/a	=	18	mg/L	SM 2540 D	-88	5		20	
2016/17-3	Lab	LCS	12/21/2016	Conventional	Total Suspended Solids	n/a	=	63	mg/L	SM 2540 D	-88	5			
2016/17-3	Lab	LCS, rec	12/21/2016	Conventional	Total Suspended Solids	n/a	=	104	%	SM 2540 D	-88	-88	90	110	
2016/17-3	Lab	method blank	12/21/2016	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-3	Lab	LCS	12/23/2016	Conventional	Total Suspended Solids	n/a	=	62	mg/L	SM 2540 D	-88	5			
2016/17-3	Lab	LCS, rec	12/23/2016	Conventional	Total Suspended Solids	n/a	=	107	%	SM 2540 D	-88	-88	90	110	
2016/17-3	Lab	method blank	12/23/2016	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-3	ME-CC	lab duplicate	12/21/2016	Conventional	Total Suspended Solids	n/a	=	328	mg/L	SM 2540 D	-88	5		20	
2016/17-3	MO-SIM	lab duplicate	12/21/2016	Conventional	Total Suspended Solids	n/a	=	92	mg/L	SM 2540 D	-88	5		20	
2016/17-3	000NONPJ	lab duplicate	12/17/2016	Conventional	Turbidity	n/a	=	8.76	NTU	EPA 180.1	0.024	0.1		10	
2016/17-3	Lab	LCS	12/17/2016	Conventional	Turbidity	n/a	=	7.55	NTU	EPA 180.1	0.024	0.1			
2016/17-3	Lab	LCS, rec	12/17/2016	Conventional	Turbidity	n/a	=	103	%	EPA 180.1	-88	-88	90	110	
2016/17-3	Lab	method blank	12/17/2016	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-3	000NONPJ	lab duplicate	12/23/2016	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	
2016/17-3	000NONPJ	lab duplicate	12/23/2016	Conventional	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5		15	
2016/17-3	Lab	method blank	12/21/2016	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-3	Lab	method blank	12/23/2016	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-3	ME-CC	lab duplicate	12/21/2016	Conventional	Volatile Suspended Solids	n/a	=	53	mg/L	EPA 160.4	3.1	5		15	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-SIM	lab duplicate	12/21/2016	Conventional	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5		15	
2016/17-3	Lab	method blank	12/22/2016	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2016/17-3	Lab	LCS	12/22/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.468	mg/L	EPA 8015D	0.024	0.1			
2016/17-3	Lab	LCS, rec	12/22/2016	Hydrocarbon	Diesel Range Organics	n/a	=	94	%	EPA 8015D	-88	-88	56	136	
2016/17-3	Lab	LCS dup	12/22/2016	Hydrocarbon	Diesel Range Organics	n/a	=	0.568	mg/L	EPA 8015D	0.024	0.1			
2016/17-3	Lab	LCS dup, rec	12/22/2016	Hydrocarbon	Diesel Range Organics	n/a	=	114	%	EPA 8015D	-88	-88	56	136	
2016/17-3	Lab	LCS, RPD	12/22/2016	Hydrocarbon	Diesel Range Organics	n/a	=	19	%	EPA 8015D	-88	-88	0	25	
2016/17-3	Lab	method blank	1/5/2017	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2016/17-3	Lab	LCS	1/5/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.491	mg/L	EPA 8015D	0.024	0.1			
2016/17-3	Lab	LCS, rec	1/5/2017	Hydrocarbon	Diesel Range Organics	n/a	=	98	%	EPA 8015D	-88	-88	56	136	
2016/17-3	Lab	LCS dup	1/5/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.553	mg/L	EPA 8015D	0.024	0.1			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Hydrocarbon	Diesel Range Organics	n/a	=	111	%	EPA 8015D	-88	-88	56	136	
2016/17-3	Lab	LCS, RPD	1/5/2017	Hydrocarbon	Diesel Range Organics	n/a	=	12	%	EPA 8015D	-88	-88	0	25	
2016/17-3	Lab	LCS	12/20/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	0.938	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	Lab	LCS, rec	12/20/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	94	%	EPA 8015D	-88	-88	75	123	
2016/17-3	Lab	LCS dup	12/20/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.08	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	Lab	LCS dup, rec	12/20/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	108	%	EPA 8015D	-88	-88	75	123	
2016/17-3	Lab	LCS, RPD	12/20/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	15	%	EPA 8015D	-88	-88	0	25	
2016/17-3	Lab	method blank	12/20/2016	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	Lab	LCS	12/22/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.16	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	Lab	LCS, rec	12/22/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	116	%	EPA 8015D	-88	-88	75	123	
2016/17-3	Lab	LCS dup	12/22/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	1.18	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	Lab	LCS dup, rec	12/22/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	118	%	EPA 8015D	-88	-88	75	123	
2016/17-3	Lab	LCS, RPD	12/22/2016	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015D	-88	-88	0	25	
2016/17-3	Lab	method blank	12/22/2016	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	MO-CAM	field duplicate	12/21/2016	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-3	Lab	srgt method blank	12/22/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.268	mg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/22/2016	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015D	-88	-88	64	155	
2016/17-3	Lab	srgt LCS	12/22/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.263	mg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/22/2016	Hydrocarbon	n-Tetracosane	n/a	=	105	%	EPA 8015D	-88	-88	64	155	
2016/17-3	Lab	srgt LCS dup	12/22/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.269	mg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/22/2016	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2016/17-3	Lab	srgt method blank	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.251	mg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	100	%	EPA 8015D	-88	-88	64	155	
2016/17-3	Lab	srgt LCS	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.24	mg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015D	-88	-88	64	155	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015D	-88	-88	64	155	
2016/17-3	ME-CC	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.23	mg/L	EPA 8015D	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	92	%	EPA 8015D	-88	-88	64	155	
2016/17-3	ME-VR2	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.284	mg/L	EPA 8015D	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-CAM	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.277	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-FIL	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.286	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-HUE	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015D	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-HUE	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-MEI	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.265	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	106	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-MPK	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.286	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-OJA	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.222	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	89	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-OXN	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.267	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-SIM	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.283	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-SPA	srgt environ	12/23/2016	Hydrocarbon	n-Tetracosane	n/a	=	0.251	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/23/2016	Hydrocarbon	n-Tetracosane	n/a	=	100	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-THO	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2016/17-3	MO-VEN	srgt environ	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.258	mg/L	EPA 8015D	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/5/2017	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015D	-88	-88	64	155	
2016/17-3	Lab	LCS	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	19.4	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	12/22/2016	Hydrocarbon	Oil and Grease	n/a	DNQ	4.8	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup, rec	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	97	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, RPD	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2016/17-3	Lab	method blank	12/22/2016	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	1/3/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.9	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	16.3	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	18.1	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup, rec	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, RPD	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	10	%	EPA 1664A	-88	-88	0	18	
2016/17-3	Lab	method blank	1/3/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	16.6	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	5.7	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	17	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	85	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	83	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	114	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, RPD	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2016/17-3	Lab	method blank	1/5/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	1/9/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.4	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	20.7	mg/L	EPA 1664A	1.3	5			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	104	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	LCS, rec	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, RPD	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	5	%	EPA 1664A	-88	-88	0	18	
2016/17-3	Lab	method blank	1/9/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-3	ME-CC	matrix spike	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	16.6	mg/L	EPA 1664A	1.3	5			GB
2016/17-3	ME-CC	matrix spike, rec	1/3/2017	Hydrocarbon	Oil and Grease	n/a	=	67	%	EPA 1664A	-88	-88	78	114	GB
2016/17-3	ME-VR2	matrix spike	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	20.4	mg/L	EPA 1664A	1.3	5			
2016/17-3	ME-VR2	matrix spike, rec	1/5/2017	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2016/17-3	MO-CAM	field duplicate	1/9/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-3	MO-MEI	matrix spike	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	22.2	mg/L	EPA 1664A	1.3	5			
2016/17-3	MO-MEI	matrix spike, rec	12/22/2016	Hydrocarbon	Oil and Grease	n/a	=	91	%	EPA 1664A	-88	-88	78	114	
2016/17-3	MO-SIM	matrix spike	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	21.4	mg/L	EPA 1664A	1.3	5			
2016/17-3	MO-SIM	matrix spike, rec	1/9/2017	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2016/17-3	Lab	method blank	12/22/2016	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-3	Lab	method blank	1/5/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-3	Lab	method blank	1/3/2017	Metal	Aluminum	Dissolved	DNQ	1.42	µg/L	EPA 200.8	1.3	5			IP
2016/17-3	Lab	LCS	1/3/2017	Metal	Aluminum	Dissolved	=	49.8	µg/L	EPA 200.8	1.3	5			
2016/17-3	Lab	LCS, rec	1/3/2017	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Aluminum	Dissolved	DNQ	1.41	µg/L	EPA 200.8	1.3	5			IP
2016/17-3	Lab	LCS	1/4/2017	Metal	Aluminum	Dissolved	=	49.5	µg/L	EPA 200.8	1.3	5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Aluminum	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/3/2017	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-3	Lab	LCS	1/3/2017	Metal	Aluminum	Total	=	49.8	µg/L	EPA 200.8	1.3	5			
2016/17-3	Lab	LCS, rec	1/3/2017	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-3	Lab	LCS	1/4/2017	Metal	Aluminum	Total	=	49.5	µg/L	EPA 200.8	1.3	5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	1/3/2017	Metal	Aluminum	Total	=	942	µg/L	EPA 200.8	13	50			GB
2016/17-3	MO-CAM	matrix spike, rec	1/3/2017	Metal	Aluminum	Total	=	239	%	EPA 200.8	-88	-88	70	130	GB
2016/17-3	MO-CAM	matrix spike dup	1/3/2017	Metal	Aluminum	Total	=	899	µg/L	EPA 200.8	13	50			GB
2016/17-3	MO-CAM	matrix spike dup, rec	1/3/2017	Metal	Aluminum	Total	=	154	%	EPA 200.8	-88	-88	70	130	GB
2016/17-3	MO-CAM	matrix spike, RPD	1/3/2017	Metal	Aluminum	Total	=	5	%	EPA 200.8	-88	-88	0	30	GB
2016/17-3	MO-OJA	matrix spike	1/3/2017	Metal	Aluminum	Total	=	4670	µg/L	EPA 200.8	65	250			GB
2016/17-3	MO-OJA	matrix spike, rec	1/3/2017	Metal	Aluminum	Total	=	-182	%	EPA 200.8	-88	-88	70	130	GB
2016/17-3	MO-OJA	matrix spike dup	1/3/2017	Metal	Aluminum	Total	=	5080	µg/L	EPA 200.8	65	250			GB
2016/17-3	MO-OJA	matrix spike dup, rec	1/3/2017	Metal	Aluminum	Total	=	628	%	EPA 200.8	-88	-88	70	130	GB
2016/17-3	MO-OJA	matrix spike, RPD	1/3/2017	Metal	Aluminum	Total	=	8	%	EPA 200.8	-88	-88	0	30	GB
2016/17-3	MO-oxn	matrix spike	1/4/2017	Metal	Aluminum	Total	=	850	µg/L	EPA 200.8	1.3	5			GB
2016/17-3	MO-oxn	matrix spike, rec	1/4/2017	Metal	Aluminum	Total	=	155	%	EPA 200.8	-88	-88	70	130	GB
2016/17-3	MO-oxn	matrix spike dup	1/4/2017	Metal	Aluminum	Total	=	880	µg/L	EPA 200.8	1.3	5			GB
2016/17-3	MO-oxn	matrix spike dup, rec	1/4/2017	Metal	Aluminum	Total	=	215	%	EPA 200.8	-88	-88	70	130	GB
2016/17-3	MO-oxn	matrix spike, RPD	1/4/2017	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	GB
2016/17-3	Lab	method blank	12/28/2016	Metal	Antimony	Dissolved	DNQ	0.0822	µg/L	EPA 200.8	0.045	0.5			IP
2016/17-3	Lab	LCS	12/28/2016	Metal	Antimony	Dissolved	=	50.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Antimony	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Antimony	Dissolved	DNQ	0.0703	µg/L	EPA 200.8	0.045	0.5			IP
2016/17-3	Lab	LCS	1/4/2017	Metal	Antimony	Dissolved	=	52.9	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Antimony	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Antimony	Total	DNQ	0.0965	µg/L	EPA 200.8	0.045	0.5			IP

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS	12/28/2016	Metal	Antimony	Total	=	50.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Antimony	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Antimony	Total	DNQ	0.0604	µg/L	EPA 200.8	0.045	0.5			IP
2016/17-3	Lab	LCS	1/4/2017	Metal	Antimony	Total	=	52.9	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Antimony	Total	=	49	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Antimony	Total	=	47.8	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Antimony	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Antimony	Total	=	37.2	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Antimony	Total	=	74	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Antimony	Total	=	37.5	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Antimony	Total	=	74	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Antimony	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-oxn	matrix spike	1/4/2017	Metal	Antimony	Total	=	53.2	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	MO-oxn	matrix spike, rec	1/4/2017	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-oxn	matrix spike dup	1/4/2017	Metal	Antimony	Total	=	53.5	µg/L	EPA 200.8	0.045	0.5			
2016/17-3	MO-oxn	matrix spike dup, rec	1/4/2017	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-oxn	matrix spike, RPD	1/4/2017	Metal	Antimony	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS	12/28/2016	Metal	Arsenic	Dissolved	=	50.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS	1/4/2017	Metal	Arsenic	Dissolved	=	50.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS	12/28/2016	Metal	Arsenic	Total	=	50.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS	1/4/2017	Metal	Arsenic	Total	=	50.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Arsenic	Total	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Arsenic	Total	=	48.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Arsenic	Total	=	48.4	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Arsenic	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Arsenic	Total	=	48.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Arsenic	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-oxn	matrix spike	1/4/2017	Metal	Arsenic	Total	=	51.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	MO-oxn	matrix spike, rec	1/4/2017	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-oxn	matrix spike dup	1/4/2017	Metal	Arsenic	Total	=	52.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-3	MO-oxn	matrix spike dup, rec	1/4/2017	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-oxn	matrix spike, RPD	1/4/2017	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	12/28/2016	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	Lab	LCS	12/28/2016	Metal	Barium	Total	=	49.5	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	Lab	LCS	1/4/2017	Metal	Barium	Total	=	49.2	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Barium	Total	=	69.5	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Barium	Total	=	68.3	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Barium	Total	=	121	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Barium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Barium	Total	=	124	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Barium	Total	=	70.7	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Barium	Total	=	73.7	µg/L	EPA 200.8	0.071	0.5			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Barium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS	12/28/2016	Metal	Beryllium	Dissolved	=	50.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Beryllium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS	1/4/2017	Metal	Beryllium	Dissolved	=	50.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Beryllium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS	12/28/2016	Metal	Beryllium	Total	=	50.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS	1/4/2017	Metal	Beryllium	Total	=	50.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Beryllium	Total	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Beryllium	Total	=	49.3	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Beryllium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Beryllium	Total	=	48.9	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Beryllium	Total	=	50	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Beryllium	Total	=	52.7	µg/L	EPA 200.8	0.033	0.1			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Beryllium	Total	=	105	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS	12/28/2016	Metal	Cadmium	Dissolved	=	49.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS	1/4/2017	Metal	Cadmium	Dissolved	=	48.5	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS	12/28/2016	Metal	Cadmium	Total	=	49.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS	1/4/2017	Metal	Cadmium	Total	=	48.5	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Cadmium	Total	=	48.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Cadmium	Total	=	47.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Cadmium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Cadmium	Total	=	47.4	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Cadmium	Total	=	47.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Cadmium	Total	=	48.1	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Cadmium	Total	=	49.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS	12/28/2016	Metal	Chromium	Dissolved	=	49.7	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Chromium	Dissolved	=	48.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS	12/28/2016	Metal	Chromium	Total	=	49.7	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Chromium	Total	=	48.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Chromium	Total	=	52.5	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Chromium	Total	=	50.7	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Chromium	Total	=	55.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Chromium	Total	=	56	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Chromium	Total	=	0.06	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Chromium	Total	=	53.3	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Chromium	Total	=	52.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Chromium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	LCS	12/29/2016	Metal	Chromium VI	n/a	=	4.76	µg/L	EPA 218.6	0.0048	0.02			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Chromium VI	n/a	=	95	%	EPA 218.6	-88	-88	90	110	
2016/17-3	ME-CC	matrix spike	12/29/2016	Metal	Chromium VI	n/a	=	4.9	µg/L	EPA 218.6	0.0048	0.02			
2016/17-3	ME-CC	matrix spike dup	12/29/2016	Metal	Chromium VI	n/a	=	5.89	µg/L	EPA 218.6	0.0048	0.02			GB
2016/17-3	ME-CC	matrix spike dup, rec	12/29/2016	Metal	Chromium VI	n/a	=	115	%	EPA 218.6	-88	-88	88	112	GB
2016/17-3	ME-CC	matrix spike, rec	12/29/2016	Metal	Chromium VI	n/a	=	95	%	EPA 218.6	-88	-88	88	112	
2016/17-3	ME-CC	matrix spike, RPD	12/29/2016	Metal	Chromium VI	n/a	=	18	%	EPA 218.6	-88	-88	0	10	IL
2016/17-3	ME-VR2	matrix spike	12/29/2016	Metal	Chromium VI	n/a	=	4.86	µg/L	EPA 218.6	0.0048	0.02			
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Metal	Chromium VI	n/a	=	4.93	µg/L	EPA 218.6	0.0048	0.02			
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2016/17-3	Lab	method blank	12/28/2016	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS	12/28/2016	Metal	Copper	Dissolved	=	50.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Copper	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS	1/4/2017	Metal	Copper	Dissolved	=	49.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Copper	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS	12/28/2016	Metal	Copper	Total	=	50.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS	1/4/2017	Metal	Copper	Total	=	49.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Copper	Total	=	68.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Copper	Total	=	65.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Copper	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Copper	Total	=	69.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Copper	Total	=	68.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Copper	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Copper	Total	=	64.8	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Copper	Total	=	66.3	µg/L	EPA 200.8	0.13	0.5			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	12/29/2016	Metal	Iron	Dissolved	DNQ	1.86	µg/L	EPA 200.7	1.1	10			IP
2016/17-3	Lab	LCS	12/29/2016	Metal	Iron	Dissolved	=	184	µg/L	EPA 200.7	1.1	10			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Iron	Dissolved	=	92	%	EPA 200.7	-88	-88	85	115	
2016/17-3	Lab	method blank	12/27/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-3	Lab	LCS	12/27/2016	Metal	Iron	Total	=	197	µg/L	EPA 200.7	1.1	10			
2016/17-3	Lab	LCS, rec	12/27/2016	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-3	Lab	LCS	12/29/2016	Metal	Iron	Total	=	184	µg/L	EPA 200.7	1.1	10			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Iron	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2016/17-3	ME-CC	matrix spike	12/29/2016	Metal	Iron	Total	=	4080	µg/L	EPA 200.7	1.1	10			GB
2016/17-3	ME-CC	matrix spike, rec	12/29/2016	Metal	Iron	Total	=	144	%	EPA 200.7	-88	-88	70	130	GB
2016/17-3	ME-CC	matrix spike dup	12/29/2016	Metal	Iron	Total	=	4050	µg/L	EPA 200.7	1.1	10			GB
2016/17-3	ME-CC	matrix spike dup, rec	12/29/2016	Metal	Iron	Total	=	132	%	EPA 200.7	-88	-88	70	130	GB
2016/17-3	ME-CC	matrix spike, RPD	12/29/2016	Metal	Iron	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	GB
2016/17-3	ME-VR2	matrix spike	12/29/2016	Metal	Iron	Total	=	2710	µg/L	EPA 200.7	1.1	10			GB
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Metal	Iron	Total	=	173	%	EPA 200.7	-88	-88	70	130	GB
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Metal	Iron	Total	=	2730	µg/L	EPA 200.7	1.1	10			GB
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Metal	Iron	Total	=	184	%	EPA 200.7	-88	-88	70	130	GB
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Metal	Iron	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	GB
2016/17-3	MO-THO	matrix spike	12/27/2016	Metal	Iron	Total	=	5410	µg/L	EPA 200.7	1.1	10			GB
2016/17-3	MO-THO	matrix spike, rec	12/27/2016	Metal	Iron	Total	=	43	%	EPA 200.7	-88	-88	70	130	GB
2016/17-3	MO-THO	matrix spike dup	12/27/2016	Metal	Iron	Total	=	5670	µg/L	EPA 200.7	1.1	10			GB
2016/17-3	MO-THO	matrix spike dup, rec	12/27/2016	Metal	Iron	Total	=	177	%	EPA 200.7	-88	-88	70	130	GB
2016/17-3	MO-THO	matrix spike, RPD	12/27/2016	Metal	Iron	Total	=	5	%	EPA 200.7	-88	-88	0	30	GB
2016/17-3	Lab	method blank	12/29/2016	Metal	Lead	Dissolved	DNQ	0.038	µg/L	EPA 200.8	0.031	0.2			IP
2016/17-3	Lab	LCS	12/29/2016	Metal	Lead	Dissolved	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Lead	Dissolved	=	48.9	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS	12/29/2016	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Lead	Total	=	48.9	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/29/2016	Metal	Lead	Total	=	50.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	MO-CAM	matrix spike, rec	12/29/2016	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/29/2016	Metal	Lead	Total	=	48.5	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	MO-CAM	matrix spike dup, rec	12/29/2016	Metal	Lead	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/29/2016	Metal	Lead	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/29/2016	Metal	Lead	Total	=	54.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	MO-OJA	matrix spike, rec	12/29/2016	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/29/2016	Metal	Lead	Total	=	54	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	MO-OJA	matrix spike dup, rec	12/29/2016	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/29/2016	Metal	Lead	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-ONN	matrix spike	1/4/2017	Metal	Lead	Total	=	51.9	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Lead	Total	=	53.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS	12/30/2016	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS, rec	12/30/2016	Metal	Mercury	Dissolved	=	104	%	EPA 245.1	-88	-88	85	115	
2016/17-3	Lab	method blank	12/30/2016	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS	12/30/2016	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS, rec	12/30/2016	Metal	Mercury	Dissolved	=	104	%	EPA 245.1	-88	-88	85	115	
2016/17-3	MO-FIL	matrix spike	12/30/2016	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	MO-FIL	matrix spike, rec	12/30/2016	Metal	Mercury	Dissolved	=	104	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-FIL	matrix spike dup	12/30/2016	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	MO-FIL	matrix spike dup, rec	12/30/2016	Metal	Mercury	Dissolved	=	104	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-FIL	matrix spike, RPD	12/30/2016	Metal	Mercury	Dissolved	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-3	MO-SIM	matrix spike	12/30/2016	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	MO-SIM	matrix spike, rec	12/30/2016	Metal	Mercury	Dissolved	=	104	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-SIM	matrix spike dup	12/30/2016	Metal	Mercury	Dissolved	=	1050	ng/L	EPA 245.1	17	50			
2016/17-3	MO-SIM	matrix spike dup, rec	12/30/2016	Metal	Mercury	Dissolved	=	105	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-SIM	matrix spike, RPD	12/30/2016	Metal	Mercury	Dissolved	=	1	%	EPA 245.1	-88	-88	0	20	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Metal	Mercury	Total	=	972	ng/L	EPA 245.1	17	50			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Metal	Mercury	Total	=	972	ng/L	EPA 245.1	17	50			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-3	Lab	method blank	12/30/2016	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS	12/30/2016	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS, rec	12/30/2016	Metal	Mercury	Total	=	104	%	EPA 245.1	-88	-88	85	115	
2016/17-3	Lab	method blank	12/30/2016	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS	12/30/2016	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	Lab	LCS, rec	12/30/2016	Metal	Mercury	Total	=	104	%	EPA 245.1	-88	-88	85	115	
2016/17-3	MO-FIL	matrix spike	12/30/2016	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	MO-FIL	matrix spike, rec	12/30/2016	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-FIL	matrix spike dup	12/30/2016	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	MO-FIL	matrix spike dup, rec	12/30/2016	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-FIL	matrix spike, RPD	12/30/2016	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-3	MO-HUE	matrix spike	12/30/2016	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	17	50			
2016/17-3	MO-HUE	matrix spike, rec	12/30/2016	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-HUE	matrix spike dup	12/30/2016	Metal	Mercury	Total	=	992	ng/L	EPA 245.1	17	50			
2016/17-3	MO-HUE	matrix spike dup, rec	12/30/2016	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-HUE	matrix spike, RPD	12/30/2016	Metal	Mercury	Total	=	0.8	%	EPA 245.1	-88	-88	0	20	
2016/17-3	MO-SIM	matrix spike	12/30/2016	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2016/17-3	MO-SIM	matrix spike, rec	12/30/2016	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-SIM	matrix spike dup	12/30/2016	Metal	Mercury	Total	=	1050	ng/L	EPA 245.1	17	50			
2016/17-3	MO-SIM	matrix spike dup, rec	12/30/2016	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	70	130	
2016/17-3	MO-SIM	matrix spike, RPD	12/30/2016	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2016/17-3	Lab	method blank	12/28/2016	Metal	Nickel	Dissolved	DNQ	0.196	µg/L	EPA 200.8	0.045	0.8			IP

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS	12/28/2016	Metal	Nickel	Dissolved	=	49.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Nickel	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	Lab	LCS	1/4/2017	Metal	Nickel	Dissolved	=	47.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Nickel	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	Lab	LCS	12/28/2016	Metal	Nickel	Total	=	49.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Nickel	Total	DNQ	0.049	µg/L	EPA 200.8	0.045	0.8			IP
2016/17-3	Lab	LCS	1/4/2017	Metal	Nickel	Total	=	47.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Nickel	Total	=	52.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Nickel	Total	=	50.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Nickel	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Nickel	Total	=	57.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Nickel	Total	=	57.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Nickel	Total	=	0.01	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Nickel	Total	=	52.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Nickel	Total	=	51.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS	12/30/2016	Metal	Selenium	Dissolved	=	49.4	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS, rec	12/30/2016	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS	1/4/2017	Metal	Selenium	Dissolved	=	50.9	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Selenium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/30/2016	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS	12/30/2016	Metal	Selenium	Total	=	49.4	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS, rec	12/30/2016	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS	1/4/2017	Metal	Selenium	Total	=	50.9	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/30/2016	Metal	Selenium	Total	=	47.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	MO-CAM	matrix spike, rec	12/30/2016	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/30/2016	Metal	Selenium	Total	=	47.1	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	MO-CAM	matrix spike dup, rec	12/30/2016	Metal	Selenium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/30/2016	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/30/2016	Metal	Selenium	Total	=	46.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	MO-OJA	matrix spike, rec	12/30/2016	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/30/2016	Metal	Selenium	Total	=	46.4	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	MO-OJA	matrix spike dup, rec	12/30/2016	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OJA	matrix spike, RPD	12/30/2016	Metal	Selenium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Selenium	Total	=	49.7	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Selenium	Total	=	51.2	µg/L	EPA 200.8	0.14	0.4			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS	12/28/2016	Metal	Silver	Dissolved	=	49.8	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Silver	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Silver	Dissolved	=	49.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS	12/28/2016	Metal	Silver	Total	=	49.8	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Silver	Total	=	49.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Silver	Total	=	49.6	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Silver	Total	=	48.2	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Silver	Total	=	48.5	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Silver	Total	=	47.7	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Silver	Total	=	49.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Silver	Total	=	51.6	µg/L	EPA 200.8	0.062	0.2			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Silver	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/29/2016	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS	12/29/2016	Metal	Thallium	Dissolved	=	50.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Thallium	Dissolved	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/29/2016	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS	12/29/2016	Metal	Thallium	Total	=	50.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS, rec	12/29/2016	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS	1/4/2017	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/29/2016	Metal	Thallium	Total	=	48.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	MO-CAM	matrix spike, rec	12/29/2016	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-CAM	matrix spike dup	12/29/2016	Metal	Thallium	Total	=	46.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	MO-CAM	matrix spike dup, rec	12/29/2016	Metal	Thallium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/29/2016	Metal	Thallium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/29/2016	Metal	Thallium	Total	=	47.1	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	MO-OJA	matrix spike, rec	12/29/2016	Metal	Thallium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/29/2016	Metal	Thallium	Total	=	47.2	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	MO-OJA	matrix spike dup, rec	12/29/2016	Metal	Thallium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/29/2016	Metal	Thallium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Thallium	Total	=	49.1	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Thallium	Total	=	50.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Thallium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Metal	Zinc	Dissolved	DNQ	0.997	µg/L	EPA 200.8	0.94	5			IP
2016/17-3	Lab	LCS	12/28/2016	Metal	Zinc	Dissolved	=	51.8	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS	1/4/2017	Metal	Zinc	Dissolved	=	50	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Zinc	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	12/28/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS	12/28/2016	Metal	Zinc	Total	=	51.8	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-3	Lab	method blank	1/4/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS	1/4/2017	Metal	Zinc	Total	=	50	µg/L	EPA 200.8	0.94	5			
2016/17-3	Lab	LCS, rec	1/4/2017	Metal	Zinc	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-3	MO-CAM	matrix spike	12/28/2016	Metal	Zinc	Total	=	124	µg/L	EPA 200.8	0.94	5			
2016/17-3	MO-CAM	matrix spike, rec	12/28/2016	Metal	Zinc	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike dup	12/28/2016	Metal	Zinc	Total	=	123	µg/L	EPA 200.8	0.94	5			
2016/17-3	MO-CAM	matrix spike dup, rec	12/28/2016	Metal	Zinc	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-CAM	matrix spike, RPD	12/28/2016	Metal	Zinc	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OJA	matrix spike	12/28/2016	Metal	Zinc	Total	=	118	µg/L	EPA 200.8	0.94	5			
2016/17-3	MO-OJA	matrix spike, rec	12/28/2016	Metal	Zinc	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike dup	12/28/2016	Metal	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5			
2016/17-3	MO-OJA	matrix spike dup, rec	12/28/2016	Metal	Zinc	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OJA	matrix spike, RPD	12/28/2016	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	MO-OXN	matrix spike	1/4/2017	Metal	Zinc	Total	=	133	µg/L	EPA 200.8	0.94	5			
2016/17-3	MO-OXN	matrix spike, rec	1/4/2017	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike dup	1/4/2017	Metal	Zinc	Total	=	133	µg/L	EPA 200.8	0.94	5			
2016/17-3	MO-OXN	matrix spike dup, rec	1/4/2017	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-3	MO-OXN	matrix spike, RPD	1/4/2017	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.254	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	000NONPJ	matrix spike	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.251	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	000NONPJ	matrix spike dup	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	000NONPJ	matrix spike dup	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/19/2016	Nutrient	Ammonia as N	n/a	=	3	%	EPA 350.1	-88	-88	0	15	
2016/17-3	000NONPJ	matrix spike, RPD	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.8	%	EPA 350.1	-88	-88	0	15	
2016/17-3	Lab	LCS	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	Lab	LCS	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.251	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	Lab	LCS dup	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	Lab	LCS dup, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2016/17-3	Lab	LCS, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2016/17-3	Lab	LCS, rec	12/19/2016	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2016/17-3	Lab	LCS, RPD	12/19/2016	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2016/17-3	Lab	method blank	12/19/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	Lab	method blank	12/19/2016	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-3	000NONPJ	matrix spike	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.46	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike, rec	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.44	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2016/17-3	000NONPJ	lab duplicate	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.588	mg/L	EPA 353.2	0.041	0.1		20	
2016/17-3	000NONPJ	matrix spike	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.46	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike, rec	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.42	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2016/17-3	000NONPJ	matrix spike	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.13	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike, rec	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	2.14	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.6	%	EPA 353.2	-88	-88	0	20	
2016/17-3	Lab	method blank	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	Lab	LCS	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	0.971	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	Lab	LCS, rec	12/17/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2016/17-3	Lab	method blank	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	Lab	LCS	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	1.02	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	Lab	LCS, rec	12/20/2016	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike	12/17/2016	Nutrient	Nitrate as N	n/a	=	2.46	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike, rec	12/17/2016	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup	12/17/2016	Nutrient	Nitrate as N	n/a	=	2.44	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/17/2016	Nutrient	Nitrate as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/17/2016	Nutrient	Nitrate as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2016/17-3	000NONPJ	lab duplicate	12/17/2016	Nutrient	Nitrate as N	n/a	=	0.588	mg/L	EPA 353.2	0.041	0.1		20	
2016/17-3	Lab	method blank	12/17/2016	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	Lab	LCS	12/17/2016	Nutrient	Nitrate as N	n/a	=	0.971	mg/L	EPA 353.2	0.041	0.1			
2016/17-3	Lab	LCS, rec	12/17/2016	Nutrient	Nitrate as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.258	mg/L	EPA 365.1	0.0028	0.02			GB
2016/17-3	000NONPJ	matrix spike, rec	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	119	%	EPA 365.1	-88	-88	90	110	GB
2016/17-3	000NONPJ	matrix spike dup	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.256	mg/L	EPA 365.1	0.0028	0.02			GB
2016/17-3	000NONPJ	matrix spike dup, rec	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	115	%	EPA 365.1	-88	-88	90	110	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, RPD	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.8	%	EPA 365.1	-88	-88	0	20	
2016/17-3	000NONPJ	lab duplicate	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.366	mg/L	EPA 365.1	0.0028	0.02		20	
2016/17-3	Lab	method blank	12/29/2016	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	Lab	LCS	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.0508	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	Lab	LCS, rec	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-3	ME-VR2	matrix spike	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.15	mg/L	EPA 365.1	0.0014	0.01			GB
2016/17-3	ME-VR2	matrix spike, rec	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	112	%	EPA 365.1	-88	-88	90	110	GB
2016/17-3	ME-VR2	matrix spike dup	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	0.145	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	ME-VR2	matrix spike dup, rec	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-3	ME-VR2	matrix spike, RPD	12/29/2016	Nutrient	Phosphorus as P	Dissolved	=	3	%	EPA 365.1	-88	-88	0	20	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Nutrient	Phosphorus as P	Total	=	0.135	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Nutrient	Phosphorus as P	Total	=	0.136	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Nutrient	Phosphorus as P	Total	=	94	%	EPA 365.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Nutrient	Phosphorus as P	Total	=	0.7	%	EPA 365.1	-88	-88	0	20	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Nutrient	Phosphorus as P	Total	=	0.258	mg/L	EPA 365.1	0.0028	0.02			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Nutrient	Phosphorus as P	Total	=	0.258	mg/L	EPA 365.1	0.0028	0.02			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Nutrient	Phosphorus as P	Total	=	0	%	EPA 365.1	-88	-88	0	20	
2016/17-3	Lab	method blank	12/22/2016	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	Lab	LCS	12/22/2016	Nutrient	Phosphorus as P	Total	=	0.0517	mg/L	EPA 365.1	0.0014	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Nutrient	Phosphorus as P	Total	=	103	%	EPA 365.1	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike	12/21/2016	Nutrient	TKN	n/a	=	1.27	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	000NONPJ	matrix spike dup	12/21/2016	Nutrient	TKN	n/a	=	1.28	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/21/2016	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, rec	12/21/2016	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/21/2016	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2016/17-3	000NONPJ	matrix spike	12/23/2016	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	000NONPJ	matrix spike	12/23/2016	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	000NONPJ	matrix spike dup	12/23/2016	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/23/2016	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike dup, rec	12/23/2016	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, rec	12/23/2016	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2016/17-3	000NONPJ	matrix spike, RPD	12/23/2016	Nutrient	TKN	n/a	=	0.3	%	EPA 351.2	-88	-88	0	10	
2016/17-3	000NONPJ	matrix spike, RPD	12/23/2016	Nutrient	TKN	n/a	=	0.5	%	EPA 351.2	-88	-88	0	10	
2016/17-3	Lab	LCS	12/21/2016	Nutrient	TKN	n/a	=	1.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	Lab	LCS, rec	12/21/2016	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2016/17-3	Lab	method blank	12/21/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	Lab	LCS	12/23/2016	Nutrient	TKN	n/a	=	1.02	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	Lab	LCS	12/23/2016	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	Lab	LCS, rec	12/23/2016	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2016/17-3	Lab	LCS, rec	12/23/2016	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2016/17-3	Lab	method blank	12/23/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-3	Lab	method blank	12/23/2016	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	12/28/2016	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	20.3	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	81	%	EPA 625	-88	-88	44	142	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	23.6	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	94	%	EPA 625	-88	-88	44	142	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	21.4	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	86	%	EPA 625	-88	-88	44	142	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	22.9	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	91	%	EPA 625	-88	-88	44	142	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	1,2,4-Trichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	1,2-Dichlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.57	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	1,2-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	32	129	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	1,2-Dichlorobenzene	n/a	=	21.8	µg/L	EPA 625	0.57	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	1,2-Dichlorobenzene	n/a	=	87	%	EPA 625	-88	-88	32	129	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	1,2-Dichlorobenzene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	1,2-Dichlorobenzene	n/a	=	21.1	µg/L	EPA 625	0.57	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	1,2-Dichlorobenzene	n/a	=	84	%	EPA 625	-88	-88	32	129	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	1,2-Dichlorobenzene	n/a	=	22.5	µg/L	EPA 625	0.57	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	1,2-Dichlorobenzene	n/a	=	90	%	EPA 625	-88	-88	32	129	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	1,2-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	000NONPJ	srgt matrix spike	12/21/2016	Organic	1,2-Dichloroethane-d4	n/a	=	52	µg/L	EPA 624	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/21/2016	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-3	000NONPJ	srgt matrix spike dup	12/21/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/21/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-3	Lab	srgt LCS	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-3	Lab	srgt method blank	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-3	ME-CC	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2016/17-3	ME-VR2	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.8	µg/L	EPA 624	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-CAM	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.9	µg/L	EPA 624	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-CAM	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-FIL	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	54.2	µg/L	EPA 624	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-HUE	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	55.4	µg/L	EPA 624	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	111	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-MEI	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	54.9	µg/L	EPA 624	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	110	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-MPK	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	54.3	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-MPK	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	109	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-OJA	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.3	µg/L	EPA 624	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-OXN	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	55.4	µg/L	EPA 624	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	111	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-SIM	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.8	µg/L	EPA 624	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-SPA	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	53.5	µg/L	EPA 624	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-THO	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	55	µg/L	EPA 624	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	110	%	EPA 624	-88	-88	82	125	
2016/17-3	MO-VEN	srgt environ	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	54.8	µg/L	EPA 624	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/20/2016	Organic	1,2-Dichloroethane-d4	n/a	=	110	%	EPA 624	-88	-88	82	125	
2016/17-3	Lab	method blank	12/28/2016	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	method blank	12/30/2016	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	method blank	12/28/2016	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	1,3-Dichlorobenzene	n/a	=	19.2	µg/L	EPA 625	0.53	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	1,3-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	0.1	172	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	1,3-Dichlorobenzene	n/a	=	21.4	µg/L	EPA 625	0.53	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	1,3-Dichlorobenzene	n/a	=	86	%	EPA 625	-88	-88	0.1	172	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	1,3-Dichlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	1,3-Dichlorobenzene	n/a	=	20.3	µg/L	EPA 625	0.53	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	1,3-Dichlorobenzene	n/a	=	81	%	EPA 625	-88	-88	0.1	172	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	1,3-Dichlorobenzene	n/a	=	21.7	µg/L	EPA 625	0.53	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	1,3-Dichlorobenzene	n/a	=	87	%	EPA 625	-88	-88	0.1	172	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	1,3-Dichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	000NONPJ	srgt matrix spike	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.418	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	84	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	000NONPJ	srgt matrix spike dup	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.373	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	75	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	000NONPJ	srgt matrix spike	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.472	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	000NONPJ	srgt matrix spike dup	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.439	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	Lab	srgt method blank	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.392	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	78	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	Lab	srgt LCS	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.39	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	78	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	Lab	srgt method blank	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.68	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2016/17-3	Lab	srgt LCS	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.57	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	73	138	
2016/17-3	Lab	srgt LCS dup	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	73	138	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.66	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	73	138	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.401	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	80	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.389	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	78	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	ME-CC	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.32	µg/L	EPA 525.2	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2016/17-3	ME-CC	srgt environ	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.428	µg/L	EPA 525.2m	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	ME-VR2	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.38	µg/L	EPA 525.2	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	73	138	
2016/17-3	ME-VR2	srgt environ	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.397	µg/L	EPA 525.2m	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/30/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	MO-CAM	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.392	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	78	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	MO-CAM	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-FIL	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.385	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	77	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	MO-FIL	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.23	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-HUE	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.514	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	MO-HUE	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-MEI	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.367	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	MO-MEI	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	73	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	MO-MEI	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-MPK	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.386	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	77	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	MO-MPK	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.24	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-OJA	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.371	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	MO-OJA	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	74	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	MO-OJA	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-OXN	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.375	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	MO-OXN	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	75	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	MO-OXN	srgt environ	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-SIM	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.342	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	MO-SIM	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	68	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	MO-SIM	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.57	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-SIM	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-SPA	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.326	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	MO-SPA	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	65	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.74	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-THO	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.395	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2016/17-3	MO-THO	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2016/17-3	MO-VEN	srgt environ	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.348	µg/L	EPA 525.2m	-88	-88			GN
2016/17-3	MO-VEN	srgt environ, rec	12/22/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	70	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-3	MO-VEN	srgt environ	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.36	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/27/2016	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	73	138	
2016/17-3	Lab	method blank	12/28/2016	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	1,4-Dichlorobenzene	n/a	=	20.4	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	1,4-Dichlorobenzene	n/a	=	82	%	EPA 625	-88	-88	20	124	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	1,4-Dichlorobenzene	n/a	=	22.4	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	1,4-Dichlorobenzene	n/a	=	90	%	EPA 625	-88	-88	20	124	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	1,4-Dichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	1,4-Dichlorobenzene	n/a	=	20.8	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	1,4-Dichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	20	124	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	1,4-Dichlorobenzene	n/a	=	22.8	µg/L	EPA 625	0.55	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	1,4-Dichlorobenzene	n/a	=	91	%	EPA 625	-88	-88	20	124	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	1,4-Dichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	method blank	1/10/2017	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	43.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	43	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	49	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	98	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	37.3	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	41.3	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt LCS dup	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	42.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt method blank	1/5/2017	Organic	2,4,6-Tribromophenol	n/a	=	40.8	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt LCS	1/5/2017	Organic	2,4,6-Tribromophenol	n/a	=	41.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Organic	2,4,6-Tribromophenol	n/a	=	44.1	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2016/17-3	Lab	srgt method blank	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.51	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 8270C	-88	-88	26	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	srgt LCS	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.67	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 8270C	-88	-88	26	117	
2016/17-3	Lab	srgt LCS dup	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.88	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 8270C	-88	-88	26	117	
2016/17-3	ME-CC	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	40.5	µg/L	EPA 625	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2016/17-3	ME-CC	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.36	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	54	%	EPA 8270C	-88	-88	26	117	
2016/17-3	ME-VR2	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	44.1	µg/L	EPA 625	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2016/17-3	ME-VR2	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.86	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-CAM	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	8.92	µg/L	EPA 625	-88	-88			GN
2016/17-3	MO-CAM	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	18	%	EPA 625	-88	-88	25	102	GN
2016/17-3	MO-CAM	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.15	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-FIL	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	44.9	µg/L	EPA 625	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-FIL	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.9	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-HUE	srgt environ	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	37.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-HUE	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.83	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-MEI	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	37.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-MEI	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.8	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-MPK	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	41.1	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-MPK	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	9.41	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-OJA	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	46	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-OJA	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.9	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-OXN	srgt environ	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	36	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-OXN	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.5	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-SIM	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	40.7	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-SIM	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	9.28	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	46.1	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-SPA	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.35	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-SPA	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-THO	srgt environ	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	37.5	µg/L	EPA 625	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/30/2016	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-THO	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.45	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270C	-88	-88	26	117	
2016/17-3	MO-VEN	srgt environ	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	44.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/28/2016	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 625	-88	-88	25	102	
2016/17-3	MO-VEN	srgt environ	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.95	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/10/2017	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2016/17-3	Lab	method blank	12/28/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2,4,6-Trichlorophenol	n/a	=	22.3	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2,4,6-Trichlorophenol	n/a	=	89	%	EPA 625	-88	-88	37	144	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2,4,6-Trichlorophenol	n/a	=	26.3	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2,4,6-Trichlorophenol	n/a	=	105	%	EPA 625	-88	-88	37	144	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2,4,6-Trichlorophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	23.5	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	94	%	EPA 625	-88	-88	37	144	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	24.8	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	99	%	EPA 625	-88	-88	37	144	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	2,4,6-Trichlorophenol	n/a	=	9.53	µg/L	EPA 8270C	0.3	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	2,4,6-Trichlorophenol	n/a	=	95	%	EPA 8270C	-88	-88	30	115	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	2,4,6-Trichlorophenol	n/a	=	10	µg/L	EPA 8270C	0.3	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	2,4,6-Trichlorophenol	n/a	=	100	%	EPA 8270C	-88	-88	30	115	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2,4-Dichlorophenol	n/a	=	21	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 625	-88	-88	39	135	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2,4-Dichlorophenol	n/a	=	25	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2,4-Dichlorophenol	n/a	=	100	%	EPA 625	-88	-88	39	135	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2,4-Dichlorophenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2,4-Dichlorophenol	n/a	=	22.7	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2,4-Dichlorophenol	n/a	=	91	%	EPA 625	-88	-88	39	135	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2,4-Dichlorophenol	n/a	=	23.5	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2,4-Dichlorophenol	n/a	=	94	%	EPA 625	-88	-88	39	135	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2,4-Dichlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	2,4-Dichlorophenol	n/a	=	8.51	µg/L	EPA 8270C	0.51	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	32	105	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	2,4-Dichlorophenol	n/a	=	8.94	µg/L	EPA 8270C	0.51	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	2,4-Dichlorophenol	n/a	=	89	%	EPA 8270C	-88	-88	32	105	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	2,4-Dichlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	000NONPJ	srgt matrix spike	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	srgt matrix spike dup	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	srgt matrix spike	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	srgt matrix spike dup	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.82	µg/L	EPA 515.3	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	ME-CC	srgt environ	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.85	µg/L	EPA 515.3	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-3	ME-VR2	srgt environ	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.62	µg/L	EPA 515.3	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/30/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-CAM	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-FIL	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-HUE	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-MEI	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.88	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-MPK	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-OJA	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-OXN	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-SIM	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-SPA	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-THO	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	MO-VEN	srgt environ	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/31/2016	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	method blank	12/28/2016	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2,4-Dimethylphenol	n/a	=	14.9	µg/L	EPA 625	0.3	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2,4-Dimethylphenol	n/a	=	59	%	EPA 625	-88	-88	32	119	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2,4-Dimethylphenol	n/a	=	14.6	µg/L	EPA 625	0.3	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2,4-Dimethylphenol	n/a	=	58	%	EPA 625	-88	-88	32	119	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2,4-Dimethylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2,4-Dimethylphenol	n/a	=	16.8	µg/L	EPA 625	0.3	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2,4-Dimethylphenol	n/a	=	67	%	EPA 625	-88	-88	32	119	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2,4-Dimethylphenol	n/a	=	14.3	µg/L	EPA 625	0.3	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2,4-Dimethylphenol	n/a	=	57	%	EPA 625	-88	-88	32	119	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2,4-Dimethylphenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS	1/10/2017	Organic	2,4-Dimethylphenol	n/a	=	6.16	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	2,4-Dimethylphenol	n/a	=	62	%	EPA 8270C	-88	-88	31	97	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	2,4-Dimethylphenol	n/a	=	5.69	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	2,4-Dimethylphenol	n/a	=	57	%	EPA 8270C	-88	-88	31	97	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	2,4-Dimethylphenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-3	Lab	LCS	12/28/2016	Organic	2,4-Dinitrophenol	n/a	=	19.6	µg/L	EPA 625	1.6	10			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2,4-Dinitrophenol	n/a	=	78	%	EPA 625	-88	-88	0.1	191	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2,4-Dinitrophenol	n/a	=	24.8	µg/L	EPA 625	1.6	10			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2,4-Dinitrophenol	n/a	=	99	%	EPA 625	-88	-88	0.1	191	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2,4-Dinitrophenol	n/a	=	24	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-3	Lab	LCS	12/30/2016	Organic	2,4-Dinitrophenol	n/a	=	16.7	µg/L	EPA 625	1.6	10			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2,4-Dinitrophenol	n/a	=	67	%	EPA 625	-88	-88	0.1	191	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2,4-Dinitrophenol	n/a	=	20.6	µg/L	EPA 625	1.6	10			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2,4-Dinitrophenol	n/a	=	82	%	EPA 625	-88	-88	0.1	191	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2,4-Dinitrophenol	n/a	=	21	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS	1/10/2017	Organic	2,4-Dinitrophenol	n/a	=	10.4	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	2,4-Dinitrophenol	n/a	=	104	%	EPA 8270C	-88	-88	7	155	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	2,4-Dinitrophenol	n/a	=	10.3	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	2,4-Dinitrophenol	n/a	=	103	%	EPA 8270C	-88	-88	7	155	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	2,4-Dinitrophenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2,4-Dinitrotoluene	n/a	=	21.8	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2,4-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	39	139	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2,4-Dinitrotoluene	n/a	=	25	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2,4-Dinitrotoluene	n/a	=	100	%	EPA 625	-88	-88	39	139	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2,4-Dinitrotoluene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2,4-Dinitrotoluene	n/a	=	21.2	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625	-88	-88	39	139	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2,4-Dinitrotoluene	n/a	=	22.3	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2,4-Dinitrotoluene	n/a	=	89	%	EPA 625	-88	-88	39	139	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2,6-Dinitrotoluene	n/a	=	21.8	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2,6-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	50	158	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2,6-Dinitrotoluene	n/a	=	25.4	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2,6-Dinitrotoluene	n/a	=	102	%	EPA 625	-88	-88	50	158	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2,6-Dinitrotoluene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2,6-Dinitrotoluene	n/a	=	21.6	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2,6-Dinitrotoluene	n/a	=	86	%	EPA 625	-88	-88	50	158	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2,6-Dinitrotoluene	n/a	=	22.7	µg/L	EPA 625	0.27	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2,6-Dinitrotoluene	n/a	=	91	%	EPA 625	-88	-88	50	158	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2,6-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/21/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	37.3	µg/L	EPA 624	0.28	1			
2016/17-3	000NONPJ	matrix spike, rec	12/21/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	75	%	EPA 624	-88	-88	0.1	305	
2016/17-3	000NONPJ	matrix spike dup	12/21/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	38	µg/L	EPA 624	0.28	1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/21/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	76	%	EPA 624	-88	-88	0.1	305	
2016/17-3	000NONPJ	matrix spike, RPD	12/21/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2016/17-3	Lab	LCS	12/20/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	42.7	µg/L	EPA 624	0.28	1			
2016/17-3	Lab	LCS, rec	12/20/2016	Organic	2-Chloroethyl vinyl ether	n/a	=	85	%	EPA 624	-88	-88	0.1	305	
2016/17-3	Lab	method blank	12/20/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-3	MO-CAM	field duplicate	12/20/2016	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-3	Lab	method blank	12/28/2016	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2-Chloronaphthalene	n/a	=	21	µg/L	EPA 625	0.45	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2-Chloronaphthalene	n/a	=	84	%	EPA 625	-88	-88	60	118	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2-Chloronaphthalene	n/a	=	24.6	µg/L	EPA 625	0.45	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2-Chloronaphthalene	n/a	=	99	%	EPA 625	-88	-88	60	118	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2-Chloronaphthalene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2-Chloronaphthalene	n/a	=	22.3	µg/L	EPA 625	0.45	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2-Chloronaphthalene	n/a	=	89	%	EPA 625	-88	-88	60	118	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2-Chloronaphthalene	n/a	=	23.5	µg/L	EPA 625	0.45	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2-Chloronaphthalene	n/a	=	94	%	EPA 625	-88	-88	60	118	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2-Chloronaphthalene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2-Chlorophenol	n/a	=	18.8	µg/L	EPA 625	0.28	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2-Chlorophenol	n/a	=	75	%	EPA 625	-88	-88	23	134	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2-Chlorophenol	n/a	=	20.9	µg/L	EPA 625	0.28	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2-Chlorophenol	n/a	=	84	%	EPA 625	-88	-88	23	134	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2-Chlorophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2-Chlorophenol	n/a	=	20.2	µg/L	EPA 625	0.28	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2-Chlorophenol	n/a	=	81	%	EPA 625	-88	-88	23	134	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2-Chlorophenol	n/a	=	21.7	µg/L	EPA 625	0.28	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2-Chlorophenol	n/a	=	87	%	EPA 625	-88	-88	23	134	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2-Chlorophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	2-Chlorophenol	n/a	=	7.57	µg/L	EPA 8270C	0.65	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	2-Chlorophenol	n/a	=	76	%	EPA 8270C	-88	-88	27	90	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	2-Chlorophenol	n/a	=	8.24	µg/L	EPA 8270C	0.65	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	2-Chlorophenol	n/a	=	82	%	EPA 8270C	-88	-88	27	90	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	2-Chlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	22.8	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	23	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	92	%	EPA 625	-88	-88	22	107	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	srqt method blank	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	21	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srqt method blank, rec	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srqt LCS	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srqt LCS, rec	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srqt LCS dup	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srqt LCS dup, rec	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	89	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srqt method blank	1/5/2017	Organic	2-Fluorobiphenyl	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srqt method blank, rec	1/5/2017	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srqt LCS	1/5/2017	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srqt LCS, rec	1/5/2017	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srqt LCS dup	1/5/2017	Organic	2-Fluorobiphenyl	n/a	=	23.6	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srqt LCS dup, rec	1/5/2017	Organic	2-Fluorobiphenyl	n/a	=	95	%	EPA 625	-88	-88	22	107	
2016/17-3	Lab	srqt method blank	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	3.11	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srqt method blank, rec	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2016/17-3	Lab	srqt LCS	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	3.9	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srqt LCS, rec	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270C	-88	-88	51	139	
2016/17-3	Lab	srqt LCS dup	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	3.96	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srqt LCS dup, rec	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270C	-88	-88	51	139	
2016/17-3	ME-CC	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625	-88	-88			
2016/17-3	ME-CC	srqt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625	-88	-88	22	107	
2016/17-3	ME-CC	srqt environ	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	2.48	µg/L	EPA 8270C	-88	-88			GN
2016/17-3	ME-CC	srqt environ, rec	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 8270C	-88	-88	51	139	GN
2016/17-3	ME-VR2	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2016/17-3	ME-VR2	srqt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2016/17-3	ME-VR2	srqt environ	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	3.86	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-VR2	srqt environ, rec	1/9/2017	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-CAM	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	3.96	µg/L	EPA 625	-88	-88			GN
2016/17-3	MO-CAM	srqt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	16	%	EPA 625	-88	-88	22	107	GN
2016/17-3	MO-CAM	srqt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.57	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-CAM	srqt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-FIL	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-3	MO-FIL	srqt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-FIL	srqt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	4.2	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-FIL	srqt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-HUE	srqt environ	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2016/17-3	MO-HUE	srqt environ, rec	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-HUE	srqt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.73	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-HUE	srqt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-MEI	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MEI	srqt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-MEI	srqt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.2	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MEI	srqt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-MPK	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MPK	srqt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-MPK	srqt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.66	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MPK	srqt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-OJA	srqt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	21.5	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OJA	srgt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-OJA	srgt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-OXN	srgt environ	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-OXN	srgt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.75	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-SIM	srgt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-SIM	srgt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	4.2	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-SPA	srgt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.65	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-THO	srgt environ	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/30/2016	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-THO	srgt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.79	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2016/17-3	MO-VEN	srgt environ	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/28/2016	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2016/17-3	MO-VEN	srgt environ	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	3.9	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/10/2017	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270C	-88	-88	51	139	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	2-Fluorophenol	n/a	=	30.3	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	61	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	2-Fluorophenol	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	2-Fluorophenol	n/a	=	25.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	2-Fluorophenol	n/a	=	27.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	2-Fluorophenol	n/a	=	24.6	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt LCS dup	12/30/2016	Organic	2-Fluorophenol	n/a	=	27.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/30/2016	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt method blank	1/5/2017	Organic	2-Fluorophenol	n/a	=	30.8	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Organic	2-Fluorophenol	n/a	=	62	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt LCS	1/5/2017	Organic	2-Fluorophenol	n/a	=	23.8	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Organic	2-Fluorophenol	n/a	=	25.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2016/17-3	Lab	srgt method blank	1/10/2017	Organic	2-Fluorophenol	n/a	=	5.17	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270C	-88	-88	11	62	
2016/17-3	Lab	srgt LCS	1/10/2017	Organic	2-Fluorophenol	n/a	=	5.22	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270C	-88	-88	11	62	
2016/17-3	Lab	srgt LCS dup	1/10/2017	Organic	2-Fluorophenol	n/a	=	5.73	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	57	%	EPA 8270C	-88	-88	11	62	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	ME-CC	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-3	ME-CC	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3.38	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	34	%	EPA 8270C	-88	-88	11	62	
2016/17-3	ME-VR2	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	25.7	µg/L	EPA 625	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2016/17-3	ME-VR2	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	5.15	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-CAM	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	4.39	µg/L	EPA 625	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	9	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-CAM	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-FIL	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-FIL	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3.75	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-HUE	srgt environ	12/30/2016	Organic	2-Fluorophenol	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/30/2016	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-HUE	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	4.32	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-MEI	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	38	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-MEI	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	1.5	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	15	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-MPK	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	22.9	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-MPK	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	5.31	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-OJA	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	25.3	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-OJA	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	31	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-OXN	srgt environ	12/30/2016	Organic	2-Fluorophenol	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/30/2016	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-OXN	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3.2	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-SIM	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-SIM	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	4.94	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	33	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-SPA	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3.15	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-THO	srgt environ	12/30/2016	Organic	2-Fluorophenol	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/30/2016	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-THO	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	4.48	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-THO	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2016/17-3	MO-VEN	srgt environ	12/28/2016	Organic	2-Fluorophenol	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/28/2016	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2016/17-3	MO-VEN	srgt environ	1/10/2017	Organic	2-Fluorophenol	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/10/2017	Organic	2-Fluorophenol	n/a	=	31	%	EPA 8270C	-88	-88	11	62	
2016/17-3	Lab	method blank	1/9/2017	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	method blank	1/10/2017	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-3	Lab	method blank	12/28/2016	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	2-Nitrophenol	n/a	=	20.7	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625	-88	-88	29	182	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	2-Nitrophenol	n/a	=	24.2	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	2-Nitrophenol	n/a	=	97	%	EPA 625	-88	-88	29	182	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	2-Nitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	2-Nitrophenol	n/a	=	22.3	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	2-Nitrophenol	n/a	=	89	%	EPA 625	-88	-88	29	182	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	2-Nitrophenol	n/a	=	23.6	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	2-Nitrophenol	n/a	=	94	%	EPA 625	-88	-88	29	182	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	2-Nitrophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	2-Nitrophenol	n/a	=	8.47	µg/L	EPA 8270C	0.71	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	2-Nitrophenol	n/a	=	85	%	EPA 8270C	-88	-88	33	103	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	2-Nitrophenol	n/a	=	9	µg/L	EPA 8270C	0.71	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	2-Nitrophenol	n/a	=	90	%	EPA 8270C	-88	-88	33	103	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	2-Nitrophenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-3	Lab	LCS	12/28/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	20.1	µg/L	EPA 625	1.2	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	80	%	EPA 625	-88	-88	0.1	262	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	21.3	µg/L	EPA 625	1.2	5			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	85	%	EPA 625	-88	-88	0.1	262	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-3	Lab	LCS	12/30/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	16.9	µg/L	EPA 625	1.2	5			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	68	%	EPA 625	-88	-88	0.1	262	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	10.4	µg/L	EPA 625	1.2	5			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	42	%	EPA 625	-88	-88	0.1	262	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	3,3'-Dichlorobenzidine	n/a	=	48	%	EPA 625	-88	-88	0	30	IL
2016/17-3	Lab	method blank	1/10/2017	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-3	Lab	method blank	12/28/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-3	Lab	LCS	12/28/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23	µg/L	EPA 625	1.7	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	92	%	EPA 625	-88	-88	0.1	181	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	27.4	µg/L	EPA 625	1.7	5			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	110	%	EPA 625	-88	-88	0.1	181	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-3	Lab	LCS	12/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22.2	µg/L	EPA 625	1.7	5			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	89	%	EPA 625	-88	-88	0.1	181	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.8	µg/L	EPA 625	1.7	5			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	95	%	EPA 625	-88	-88	0.1	181	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.7	µg/L	EPA 8270C	0.14	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	97	%	EPA 8270C	-88	-88	33	118	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.59	µg/L	EPA 8270C	0.14	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	96	%	EPA 8270C	-88	-88	33	118	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-3	000NONPJ	srgt matrix spike	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-3	000NONPJ	srgt matrix spike dup	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2016/17-3	Lab	srgt LCS	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2016/17-3	Lab	srgt method blank	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-3	Lab	srgt LCS	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 8015D	-88	-88	72	124	
2016/17-3	Lab	srgt LCS dup	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015D	-88	-88	72	124	
2016/17-3	Lab	srgt method blank	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2016/17-3	Lab	srgt LCS	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015D	-88	-88	72	124	
2016/17-3	Lab	srgt LCS dup	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2016/17-3	Lab	srgt method blank	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 8015D	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 8015D	-88	-88	72	124	
2016/17-3	ME-CC	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	47.5	µg/L	EPA 624	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2016/17-3	ME-CC	srgt environ	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2016/17-3	ME-VR2	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 624	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-3	ME-VR2	srgt environ	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015D	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/22/2016	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-CAM	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-CAM	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 624	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-CAM	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-CAM	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-FIL	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-FIL	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-HUE	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	46.2	µg/L	EPA 624	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-HUE	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-MEI	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 624	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-MEI	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-MPK	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	47.2	µg/L	EPA 624	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-MPK	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	104	µg/L	EPA 8015D	-88	-88			GN
2016/17-3	MO-MPK	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	208	%	EPA 8015D	-88	-88	72	124	GN
2016/17-3	MO-OJA	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	47.8	µg/L	EPA 624	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-OJA	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-OXN	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	46.4	µg/L	EPA 624	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-OXN	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-SIM	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-SIM	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-SPA	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-SPA	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-THO	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 624	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-THO	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2016/17-3	MO-VEN	srgt environ	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 624	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/20/2016	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-3	MO-VEN	srgt environ	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/21/2016	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2016/17-3	Lab	method blank	12/28/2016	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	19	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	53	127	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	21.7	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	87	%	EPA 625	-88	-88	53	127	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	19	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	53	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	20.2	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	81	%	EPA 625	-88	-88	53	127	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	4-Bromophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	4-Chloro-3-methylphenol	n/a	=	20.8	µg/L	EPA 625	0.23	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	4-Chloro-3-methylphenol	n/a	=	83	%	EPA 625	-88	-88	22	147	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	4-Chloro-3-methylphenol	n/a	=	24.8	µg/L	EPA 625	0.23	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	4-Chloro-3-methylphenol	n/a	=	99	%	EPA 625	-88	-88	22	147	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	4-Chloro-3-methylphenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	21.4	µg/L	EPA 625	0.23	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	86	%	EPA 625	-88	-88	22	147	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	23	µg/L	EPA 625	0.23	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	92	%	EPA 625	-88	-88	22	147	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	4-Chloro-3-methylphenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	4-Chloro-3-methylphenol	n/a	=	9.03	µg/L	EPA 8270C	0.37	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	4-Chloro-3-methylphenol	n/a	=	90	%	EPA 8270C	-88	-88	29	108	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	4-Chloro-3-methylphenol	n/a	=	9.52	µg/L	EPA 8270C	0.37	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	4-Chloro-3-methylphenol	n/a	=	95	%	EPA 8270C	-88	-88	29	108	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.8	µg/L	EPA 625	0.41	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	25	158	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	24.4	µg/L	EPA 625	0.41	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	98	%	EPA 625	-88	-88	25	158	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.4	µg/L	EPA 625	0.41	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	90	%	EPA 625	-88	-88	25	158	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	23.8	µg/L	EPA 625	0.41	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	95	%	EPA 625	-88	-88	25	158	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	4-Chlorophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-3	Lab	LCS	12/28/2016	Organic	4-Nitrophenol	n/a	=	8.47	µg/L	EPA 625	0.45	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	4-Nitrophenol	n/a	=	10.3	µg/L	EPA 625	0.45	5			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	4-Nitrophenol	n/a	=	41	%	EPA 625	-88	-88	0.1	132	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	4-Nitrophenol	n/a	=	19	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-3	Lab	LCS	12/30/2016	Organic	4-Nitrophenol	n/a	=	6.72	µg/L	EPA 625	0.45	5			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	4-Nitrophenol	n/a	=	27	%	EPA 625	-88	-88	0.1	132	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	4-Nitrophenol	n/a	=	7.56	µg/L	EPA 625	0.45	5			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	4-Nitrophenol	n/a	=	30	%	EPA 625	-88	-88	0.1	132	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	4-Nitrophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS	1/10/2017	Organic	4-Nitrophenol	n/a	=	4.05	µg/L	EPA 8270C	1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	4-Nitrophenol	n/a	=	40	%	EPA 8270C	-88	-88	6	46	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	4-Nitrophenol	n/a	=	4.04	µg/L	EPA 8270C	1	2			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	4-Nitrophenol	n/a	=	40	%	EPA 8270C	-88	-88	6	46	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	4-Nitrophenol	n/a	=	0.2	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Acenaphthene	n/a	=	20.6	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Acenaphthene	n/a	=	82	%	EPA 625	-88	-88	47	145	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Acenaphthene	n/a	=	24	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Acenaphthene	n/a	=	96	%	EPA 625	-88	-88	47	145	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Acenaphthene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Acenaphthene	n/a	=	23.1	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Acenaphthene	n/a	=	92	%	EPA 625	-88	-88	47	145	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Acenaphthene	n/a	=	24.6	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Acenaphthene	n/a	=	98	%	EPA 625	-88	-88	47	145	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Acenaphthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Acenaphthene	n/a	=	9.26	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Acenaphthene	n/a	=	93	%	EPA 8270C	-88	-88	11	122	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Acenaphthene	n/a	=	9.57	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Acenaphthene	n/a	=	96	%	EPA 8270C	-88	-88	11	122	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Acenaphthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Acenaphthylene	n/a	=	22.4	µg/L	EPA 625	0.4	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Acenaphthylene	n/a	=	90	%	EPA 625	-88	-88	33	145	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Acenaphthylene	n/a	=	26.6	µg/L	EPA 625	0.4	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Acenaphthylene	n/a	=	106	%	EPA 625	-88	-88	33	145	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Acenaphthylene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Acenaphthylene	n/a	=	23.6	µg/L	EPA 625	0.4	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Acenaphthylene	n/a	=	94	%	EPA 625	-88	-88	33	145	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Acenaphthylene	n/a	=	24.3	µg/L	EPA 625	0.4	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Acenaphthylene	n/a	=	97	%	EPA 625	-88	-88	33	145	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Acenaphthylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Acenaphthylene	n/a	=	9.84	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Acenaphthylene	n/a	=	98	%	EPA 8270C	-88	-88	4	135	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Acenaphthylene	n/a	=	10.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Acenaphthylene	n/a	=	101	%	EPA 8270C	-88	-88	4	135	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Acenaphthylene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Anthracene	n/a	=	22	µg/L	EPA 625	0.34	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Anthracene	n/a	=	88	%	EPA 625	-88	-88	27	133	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Anthracene	n/a	=	23.9	µg/L	EPA 625	0.34	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Anthracene	n/a	=	95	%	EPA 625	-88	-88	27	133	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Anthracene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS	12/30/2016	Organic	Anthracene	n/a	=	22.3	µg/L	EPA 625	0.34	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Anthracene	n/a	=	89	%	EPA 625	-88	-88	27	133	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Anthracene	n/a	=	24.3	µg/L	EPA 625	0.34	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Anthracene	n/a	=	97	%	EPA 625	-88	-88	27	133	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Anthracene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Anthracene	n/a	=	8.95	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Anthracene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Anthracene	n/a	=	9.23	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Anthracene	n/a	=	92	%	EPA 8270C	-88	-88	22	127	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Benz(a)anthracene	n/a	=	26.4	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Benz(a)anthracene	n/a	=	106	%	EPA 625	-88	-88	33	143	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Benz(a)anthracene	n/a	=	29.8	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Benz(a)anthracene	n/a	=	119	%	EPA 625	-88	-88	33	143	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Benz(a)anthracene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Benz(a)anthracene	n/a	=	22.1	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Benz(a)anthracene	n/a	=	88	%	EPA 625	-88	-88	33	143	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Benz(a)anthracene	n/a	=	24.9	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Benz(a)anthracene	n/a	=	100	%	EPA 625	-88	-88	33	143	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Benz(a)anthracene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Benz(a)anthracene	n/a	=	12	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Benz(a)anthracene	n/a	=	120	%	EPA 8270C	-88	-88	17	131	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Benz(a)anthracene	n/a	=	12.5	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Benz(a)anthracene	n/a	=	125	%	EPA 8270C	-88	-88	17	131	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Benz(a)anthracene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-3	Lab	method blank	12/30/2016	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-3	Lab	method blank	12/27/2016	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-3	Lab	LCS	12/27/2016	Organic	Benzo(a)pyrene	n/a	=	5.1	µg/L	EPA 525.2	0.07	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Organic	Benzo(a)pyrene	n/a	=	102	%	EPA 525.2	-88	-88	40	147	
2016/17-3	Lab	LCS dup	12/27/2016	Organic	Benzo(a)pyrene	n/a	=	4.9	µg/L	EPA 525.2	0.07	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 525.2	-88	-88	40	147	
2016/17-3	Lab	LCS, RPD	12/27/2016	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Benzo(a)pyrene	n/a	=	28.2	µg/L	EPA 625	0.13	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Benzo(a)pyrene	n/a	=	113	%	EPA 625	-88	-88	17	163	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Benzo(a)pyrene	n/a	=	27.1	µg/L	EPA 625	0.13	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Benzo(a)pyrene	n/a	=	108	%	EPA 625	-88	-88	17	163	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Benzo(a)pyrene	n/a	=	26	µg/L	EPA 625	0.13	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Benzo(a)pyrene	n/a	=	104	%	EPA 625	-88	-88	17	163	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Benzo(a)pyrene	n/a	=	25.5	µg/L	EPA 625	0.13	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Benzo(a)pyrene	n/a	=	102	%	EPA 625	-88	-88	17	163	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Benzo(a)pyrene	n/a	=	9.77	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 8270C	-88	-88	12	131	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Benzo(a)pyrene	n/a	=	10.2	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Benzo(a)pyrene	n/a	=	102	%	EPA 8270C	-88	-88	12	131	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Benzo(b)fluoranthene	n/a	=	28.8	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Benzo(b)fluoranthene	n/a	=	115	%	EPA 625	-88	-88	24	159	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Benzo(b)fluoranthene	n/a	=	26.4	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Benzo(b)fluoranthene	n/a	=	106	%	EPA 625	-88	-88	24	159	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Benzo(b)fluoranthene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	26.6	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	106	%	EPA 625	-88	-88	24	159	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	26.7	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	107	%	EPA 625	-88	-88	24	159	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Benzo(b)fluoranthene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Benzo(b)fluoranthene	n/a	=	9.87	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Benzo(b)fluoranthene	n/a	=	99	%	EPA 8270C	-88	-88	19	129	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Benzo(b)fluoranthene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Benzo(b)fluoranthene	n/a	=	104	%	EPA 8270C	-88	-88	19	129	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-3	Lab	LCS	12/28/2016	Organic	Benzo(g,h,i)perylene	n/a	=	24.3	µg/L	EPA 625	0.1	2			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Benzo(g,h,i)perylene	n/a	=	97	%	EPA 625	-88	-88	0.1	219	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Benzo(g,h,i)perylene	n/a	=	27.6	µg/L	EPA 625	0.1	2			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Benzo(g,h,i)perylene	n/a	=	110	%	EPA 625	-88	-88	0.1	219	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Benzo(g,h,i)perylene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-3	Lab	LCS	12/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	22.3	µg/L	EPA 625	0.1	2			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	89	%	EPA 625	-88	-88	0.1	219	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	23.6	µg/L	EPA 625	0.1	2			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	94	%	EPA 625	-88	-88	0.1	219	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Benzo(g,h,i)perylene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8.78	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 8270C	-88	-88	14	139	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Benzo(g,h,i)perylene	n/a	=	9.33	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Benzo(g,h,i)perylene	n/a	=	93	%	EPA 8270C	-88	-88	14	139	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Benzo(g,h,i)perylene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Benzo(k)fluoranthene	n/a	=	28.8	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Benzo(k)fluoranthene	n/a	=	115	%	EPA 625	-88	-88	11	162	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Benzo(k)fluoranthene	n/a	=	27.7	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Benzo(k)fluoranthene	n/a	=	111	%	EPA 625	-88	-88	11	162	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Benzo(k)fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	29.2	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	117	%	EPA 625	-88	-88	11	162	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	29.4	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	118	%	EPA 625	-88	-88	11	162	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Benzo(k)fluoranthene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Benzo(k)fluoranthene	n/a	=	9.94	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Benzo(k)fluoranthene	n/a	=	99	%	EPA 8270C	-88	-88	22	127	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Benzo(k)fluoranthene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Benzo(k)fluoranthene	n/a	=	106	%	EPA 8270C	-88	-88	22	127	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.9	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	80	%	EPA 625	-88	-88	33	184	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	24	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	96	%	EPA 625	-88	-88	33	184	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	19	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	22	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	88	%	EPA 625	-88	-88	33	184	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	23	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	92	%	EPA 625	-88	-88	33	184	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Bis(2-chloroethoxy)methane	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	19.2	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	77	%	EPA 625	-88	-88	12	158	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	22.1	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	88	%	EPA 625	-88	-88	12	158	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	20.9	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	84	%	EPA 625	-88	-88	12	158	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	22.8	µg/L	EPA 625	0.27	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	91	%	EPA 625	-88	-88	12	158	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Bis(2-chloroethyl)ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.9	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	80	%	EPA 625	-88	-88	36	166	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.6	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	94	%	EPA 625	-88	-88	36	166	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	22.4	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	90	%	EPA 625	-88	-88	36	166	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.9	µg/L	EPA 625	0.38	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	96	%	EPA 625	-88	-88	36	166	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Bis(2-chloroisopropyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-3	Lab	LCS	12/27/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.91	µg/L	EPA 525.2	0.1	5			
2016/17-3	Lab	LCS, rec	12/27/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	98	%	EPA 525.2	-88	-88	71	158	
2016/17-3	Lab	LCS dup	12/27/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.22	µg/L	EPA 525.2	0.1	5			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	104	%	EPA 525.2	-88	-88	71	158	
2016/17-3	Lab	LCS, RPD	12/27/2016	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-3	Lab	LCS	12/27/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.61	µg/L	EPA 525.2	1.1	3			
2016/17-3	Lab	LCS, rec	12/27/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	112	%	EPA 525.2	-88	-88	68	154	
2016/17-3	Lab	LCS dup	12/27/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.6	µg/L	EPA 525.2	1.1	3			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	132	%	EPA 525.2	-88	-88	68	154	
2016/17-3	Lab	LCS, RPD	12/27/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	16	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS	12/28/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	32.7	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	131	%	EPA 625	-88	-88	8	158	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	39.5	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	158	%	EPA 625	-88	-88	8	158	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS	12/30/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.9	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	80	%	EPA 625	-88	-88	8	158	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.5	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	94	%	EPA 625	-88	-88	8	158	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	17	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS	1/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	34.1	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS, rec	1/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	137	%	EPA 625	-88	-88	8	158	
2016/17-3	Lab	LCS dup	1/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	38.7	µg/L	EPA 625	2.3	5			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	155	%	EPA 625	-88	-88	8	158	
2016/17-3	Lab	LCS, RPD	1/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Butyl benzyl phthalate	n/a	=	21.9	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Butyl benzyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Butyl benzyl phthalate	n/a	=	24.8	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Butyl benzyl phthalate	n/a	=	99	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Butyl benzyl phthalate	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Butyl benzyl phthalate	n/a	=	19.2	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Butyl benzyl phthalate	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Butyl benzyl phthalate	n/a	=	21.4	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Butyl benzyl phthalate	n/a	=	85	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Butyl benzyl phthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS	12/28/2016	Organic	Chrysene	n/a	=	23.9	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Chrysene	n/a	=	96	%	EPA 625	-88	-88	17	168	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Chrysene	n/a	=	26.1	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Chrysene	n/a	=	104	%	EPA 625	-88	-88	17	168	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Chrysene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Chrysene	n/a	=	24.8	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Chrysene	n/a	=	99	%	EPA 625	-88	-88	17	168	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Chrysene	n/a	=	27.4	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Chrysene	n/a	=	110	%	EPA 625	-88	-88	17	168	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Chrysene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Chrysene	n/a	=	9.78	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Chrysene	n/a	=	98	%	EPA 8270C	-88	-88	32	126	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Chrysene	n/a	=	10.2	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Chrysene	n/a	=	102	%	EPA 8270C	-88	-88	32	126	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Chrysene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-3	Lab	LCS	12/28/2016	Organic	Dibenz(a,h)anthracene	n/a	=	14.4	µg/L	EPA 625	0.08	2			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Dibenz(a,h)anthracene	n/a	=	58	%	EPA 625	-88	-88	0.1	227	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Dibenz(a,h)anthracene	n/a	=	16.7	µg/L	EPA 625	0.08	2			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Dibenz(a,h)anthracene	n/a	=	67	%	EPA 625	-88	-88	0.1	227	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Dibenz(a,h)anthracene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-3	Lab	LCS	12/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	12.8	µg/L	EPA 625	0.08	2			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	51	%	EPA 625	-88	-88	0.1	227	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	13.8	µg/L	EPA 625	0.08	2			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	55	%	EPA 625	-88	-88	0.1	227	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Dibenz(a,h)anthracene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Dibenz(a,h)anthracene	n/a	=	5.8	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Dibenz(a,h)anthracene	n/a	=	58	%	EPA 8270C	-88	-88	9	147	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Dibenz(a,h)anthracene	n/a	=	6.13	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Dibenz(a,h)anthracene	n/a	=	61	%	EPA 8270C	-88	-88	9	147	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Dibenz(a,h)anthracene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Diethyl phthalate	n/a	=	22.1	µg/L	EPA 625	0.15	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Diethyl phthalate	n/a	=	89	%	EPA 625	-88	-88	0.1	114	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Diethyl phthalate	n/a	=	26	µg/L	EPA 625	0.15	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Diethyl phthalate	n/a	=	104	%	EPA 625	-88	-88	0.1	114	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Diethyl phthalate	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Diethyl phthalate	n/a	=	22.6	µg/L	EPA 625	0.15	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Diethyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	114	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Diethyl phthalate	n/a	=	24.4	µg/L	EPA 625	0.15	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Diethyl phthalate	n/a	=	98	%	EPA 625	-88	-88	0.1	114	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Diethyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	12/28/2016	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Dimethyl phthalate	n/a	=	22.4	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Dimethyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	112	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Dimethyl phthalate	n/a	=	26.5	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Dimethyl phthalate	n/a	=	106	%	EPA 625	-88	-88	0.1	112	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Dimethyl phthalate	n/a	=	17	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Dimethyl phthalate	n/a	=	22.6	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Dimethyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	112	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Dimethyl phthalate	n/a	=	23.5	µg/L	EPA 625	0.18	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Dimethyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	112	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Dimethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Di-n-butylphthalate	n/a	=	23.4	µg/L	EPA 625	0.24	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Di-n-butylphthalate	n/a	=	94	%	EPA 625	-88	-88	1	118	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Di-n-butylphthalate	n/a	=	25.5	µg/L	EPA 625	0.24	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Di-n-butylphthalate	n/a	=	102	%	EPA 625	-88	-88	1	118	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Di-n-butylphthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Di-n-butylphthalate	n/a	=	23.1	µg/L	EPA 625	0.24	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Di-n-butylphthalate	n/a	=	92	%	EPA 625	-88	-88	1	118	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Di-n-butylphthalate	n/a	=	25.4	µg/L	EPA 625	0.24	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Di-n-butylphthalate	n/a	=	102	%	EPA 625	-88	-88	1	118	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Di-n-butylphthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Di-n-octylphthalate	n/a	=	22.1	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Di-n-octylphthalate	n/a	=	88	%	EPA 625	-88	-88	4	146	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Di-n-octylphthalate	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Di-n-octylphthalate	n/a	=	91	%	EPA 625	-88	-88	4	146	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Di-n-octylphthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Di-n-octylphthalate	n/a	=	23.3	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Di-n-octylphthalate	n/a	=	93	%	EPA 625	-88	-88	4	146	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Di-n-octylphthalate	n/a	=	25.7	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Di-n-octylphthalate	n/a	=	103	%	EPA 625	-88	-88	4	146	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Di-n-octylphthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Fluoranthene	n/a	=	24.1	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Fluoranthene	n/a	=	96	%	EPA 625	-88	-88	26	137	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Fluoranthene	n/a	=	26.7	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Fluoranthene	n/a	=	107	%	EPA 625	-88	-88	26	137	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Fluoranthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Fluoranthene	n/a	=	22.3	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Fluoranthene	n/a	=	89	%	EPA 625	-88	-88	26	137	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Fluoranthene	n/a	=	24.7	µg/L	EPA 625	0.22	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Fluoranthene	n/a	=	99	%	EPA 625	-88	-88	26	137	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Fluoranthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Fluoranthene	n/a	=	9.98	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Fluoranthene	n/a	=	100	%	EPA 8270C	-88	-88	22	131	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Fluoranthene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Fluoranthene	n/a	=	104	%	EPA 8270C	-88	-88	22	131	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Fluorene	n/a	=	21.2	µg/L	EPA 625	0.35	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Fluorene	n/a	=	85	%	EPA 625	-88	-88	59	121	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Fluorene	n/a	=	24.5	µg/L	EPA 625	0.35	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Fluorene	n/a	=	98	%	EPA 625	-88	-88	59	121	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Fluorene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Fluorene	n/a	=	22.5	µg/L	EPA 625	0.35	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Fluorene	n/a	=	90	%	EPA 625	-88	-88	59	121	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Fluorene	n/a	=	24.1	µg/L	EPA 625	0.35	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Fluorene	n/a	=	96	%	EPA 625	-88	-88	59	121	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Fluorene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Fluorene	n/a	=	9.14	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Fluorene	n/a	=	91	%	EPA 8270C	-88	-88	19	122	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Fluorene	n/a	=	9.61	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Fluorene	n/a	=	96	%	EPA 8270C	-88	-88	19	122	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Fluorene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Hexachlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Hexachlorobenzene	n/a	=	78	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Hexachlorobenzene	n/a	=	21.6	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Hexachlorobenzene	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Hexachlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Hexachlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Hexachlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Hexachlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Hexachlorobenzene	n/a	=	79	%	EPA 625	-88	-88	0.1	152	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Hexachlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Hexachlorobutadiene	n/a	=	18.7	µg/L	EPA 625	0.47	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Hexachlorobutadiene	n/a	=	75	%	EPA 625	-88	-88	24	116	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Hexachlorobutadiene	n/a	=	20.9	µg/L	EPA 625	0.47	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Hexachlorobutadiene	n/a	=	84	%	EPA 625	-88	-88	24	116	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Hexachlorobutadiene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Hexachlorobutadiene	n/a	=	20.1	µg/L	EPA 625	0.47	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Hexachlorobutadiene	n/a	=	80	%	EPA 625	-88	-88	24	116	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Hexachlorobutadiene	n/a	=	21.7	µg/L	EPA 625	0.47	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Hexachlorobutadiene	n/a	=	87	%	EPA 625	-88	-88	24	116	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Hexachlorobutadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-3	Lab	LCS	12/28/2016	Organic	Hexachlorocyclopentadiene	n/a	=	14.4	µg/L	EPA 625	1.5	5			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Hexachlorocyclopentadiene	n/a	=	58	%	EPA 625	-88	-88	0.1	81	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Hexachlorocyclopentadiene	n/a	=	18.1	µg/L	EPA 625	1.5	5			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Hexachlorocyclopentadiene	n/a	=	72	%	EPA 625	-88	-88	0.1	81	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Hexachlorocyclopentadiene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-3	Lab	LCS	12/30/2016	Organic	Hexachlorocyclopentadiene	n/a	=	17.7	µg/L	EPA 625	1.5	5			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Hexachlorocyclopentadiene	n/a	=	71	%	EPA 625	-88	-88	0.1	81	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Hexachlorocyclopentadiene	n/a	=	18.1	µg/L	EPA 625	1.5	5			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Hexachlorocyclopentadiene	n/a	=	72	%	EPA 625	-88	-88	0.1	81	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Hexachlorocyclopentadiene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Hexachloroethane	n/a	=	18.9	µg/L	EPA 625	0.52	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Hexachloroethane	n/a	=	76	%	EPA 625	-88	-88	40	113	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Hexachloroethane	n/a	=	21.1	µg/L	EPA 625	0.52	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Hexachloroethane	n/a	=	85	%	EPA 625	-88	-88	40	113	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Hexachloroethane	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Hexachloroethane	n/a	=	20.1	µg/L	EPA 625	0.52	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Hexachloroethane	n/a	=	81	%	EPA 625	-88	-88	40	113	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Hexachloroethane	n/a	=	21.6	µg/L	EPA 625	0.52	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Hexachloroethane	n/a	=	87	%	EPA 625	-88	-88	40	113	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Hexachloroethane	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-3	Lab	LCS	12/28/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	24.2	µg/L	EPA 625	0.12	2			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	97	%	EPA 625	-88	-88	0.1	171	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	28.9	µg/L	EPA 625	0.12	2			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	116	%	EPA 625	-88	-88	0.1	171	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-3	Lab	LCS	12/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	22	µg/L	EPA 625	0.12	2			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	88	%	EPA 625	-88	-88	0.1	171	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.6	µg/L	EPA 625	0.12	2			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	95	%	EPA 625	-88	-88	0.1	171	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.83	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	98	%	EPA 8270C	-88	-88	12	136	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	103	%	EPA 8270C	-88	-88	12	136	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Isophorone	n/a	=	20.8	µg/L	EPA 625	0.21	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Isophorone	n/a	=	83	%	EPA 625	-88	-88	21	196	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Isophorone	n/a	=	24.9	µg/L	EPA 625	0.21	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Isophorone	n/a	=	100	%	EPA 625	-88	-88	21	196	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Isophorone	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Isophorone	n/a	=	22.9	µg/L	EPA 625	0.21	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Isophorone	n/a	=	91	%	EPA 625	-88	-88	21	196	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Isophorone	n/a	=	24.8	µg/L	EPA 625	0.21	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Isophorone	n/a	=	99	%	EPA 625	-88	-88	21	196	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Isophorone	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	LCS	12/20/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49.1	µg/L	EPA 624	0.25	1			
2016/17-3	Lab	LCS, rec	12/20/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	98	%	EPA 624	-88	-88	80	128	
2016/17-3	Lab	method blank	12/20/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-3	MO-CAM	field duplicate	12/20/2016	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-3	Lab	method blank	12/28/2016	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Naphthalene	n/a	=	20.2	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Naphthalene	n/a	=	81	%	EPA 625	-88	-88	21	133	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Naphthalene	n/a	=	23.3	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Naphthalene	n/a	=	93	%	EPA 625	-88	-88	21	133	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Naphthalene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Naphthalene	n/a	=	21.9	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Naphthalene	n/a	=	88	%	EPA 625	-88	-88	21	133	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Naphthalene	n/a	=	23.3	µg/L	EPA 625	0.49	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Naphthalene	n/a	=	93	%	EPA 625	-88	-88	21	133	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Naphthalene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Naphthalene	n/a	=	8.66	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Naphthalene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Naphthalene	n/a	=	9.15	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Naphthalene	n/a	=	92	%	EPA 8270C	-88	-88	12	136	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Naphthalene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Nitrobenzene	n/a	=	19.1	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Nitrobenzene	n/a	=	23.2	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Nitrobenzene	n/a	=	93	%	EPA 625	-88	-88	35	180	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Nitrobenzene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Nitrobenzene	n/a	=	20.8	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Nitrobenzene	n/a	=	83	%	EPA 625	-88	-88	35	180	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Nitrobenzene	n/a	=	22.2	µg/L	EPA 625	0.36	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Nitrobenzene	n/a	=	89	%	EPA 625	-88	-88	35	180	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Nitrobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	22	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt LCS dup	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt method blank	1/5/2017	Organic	Nitrobenzene-d5	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt LCS	1/5/2017	Organic	Nitrobenzene-d5	n/a	=	18	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Organic	Nitrobenzene-d5	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2016/17-3	Lab	srgt method blank	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	3.21	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2016/17-3	Lab	srgt LCS	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	3.62	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2016/17-3	Lab	srgt LCS dup	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	3.73	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270C	-88	-88	51	143	
2016/17-3	ME-CC	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	20.6	µg/L	EPA 625	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625	-88	-88	27	111	
2016/17-3	ME-CC	srgt environ	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	2.21	µg/L	EPA 8270C	-88	-88			GN
2016/17-3	ME-CC	srgt environ, rec	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	44	%	EPA 8270C	-88	-88	51	143	GN
2016/17-3	ME-VR2	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	21	µg/L	EPA 625	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625	-88	-88	27	111	
2016/17-3	ME-VR2	srgt environ	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	3.49	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/9/2017	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-CAM	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	3.49	µg/L	EPA 625	-88	-88			GN
2016/17-3	MO-CAM	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	14	%	EPA 625	-88	-88	27	111	GN
2016/17-3	MO-CAM	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.26	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-FIL	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-FIL	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.78	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-HUE	srgt environ	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	11.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	47	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-HUE	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.36	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-MEI	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-MEI	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-MPK	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-MPK	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.5	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-MPK	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-OJA	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-OJA	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	2.7	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-OXN	srgt environ	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-OXN	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.4	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-SIM	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-SIM	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.74	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	13.5	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-SPA	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.26	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-THO	srgt environ	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/30/2016	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-THO	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.42	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2016/17-3	MO-VEN	srgt environ	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/28/2016	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2016/17-3	MO-VEN	srgt environ	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	3.51	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/10/2017	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2016/17-3	Lab	method blank	12/28/2016	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	N-Nitrosodimethylamine	n/a	=	14	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	N-Nitrosodimethylamine	n/a	=	56	%	EPA 625	-88	-88	28	75	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	N-Nitrosodimethylamine	n/a	=	16.1	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	N-Nitrosodimethylamine	n/a	=	64	%	EPA 625	-88	-88	28	75	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	N-Nitrosodimethylamine	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	N-Nitrosodimethylamine	n/a	=	14.8	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	N-Nitrosodimethylamine	n/a	=	59	%	EPA 625	-88	-88	28	75	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	N-Nitrosodimethylamine	n/a	=	16.6	µg/L	EPA 625	0.14	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	N-Nitrosodimethylamine	n/a	=	66	%	EPA 625	-88	-88	28	75	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	N-Nitrosodimethylamine	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.8	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	83	%	EPA 625	-88	-88	0.1	230	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.9	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	100	%	EPA 625	-88	-88	0.1	230	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	23.5	µg/L	EPA 625	0.26	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	94	%	EPA 625	-88	-88	0.1	230	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	25.1	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	100	%	EPA 625	-88	-88	0.1	230	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	N-Nitrosodi-N-propylamine	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	N-Nitrosodiphenylamine	n/a	=	76	%	EPA 625	-88	-88	42	90	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	N-Nitrosodiphenylamine	n/a	=	21	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	N-Nitrosodiphenylamine	n/a	=	84	%	EPA 625	-88	-88	42	90	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	N-Nitrosodiphenylamine	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	N-Nitrosodiphenylamine	n/a	=	76	%	EPA 625	-88	-88	42	90	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	N-Nitrosodiphenylamine	n/a	=	19.9	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	N-Nitrosodiphenylamine	n/a	=	80	%	EPA 625	-88	-88	42	90	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	N-Nitrosodiphenylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	srgt method blank	12/27/2016	Organic	Perylene-d12	n/a	=	5.05	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/27/2016	Organic	Perylene-d12	n/a	=	101	%	EPA 525.2	-88	-88	30	118	
2016/17-3	Lab	srgt LCS	12/27/2016	Organic	Perylene-d12	n/a	=	5.58	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/27/2016	Organic	Perylene-d12	n/a	=	112	%	EPA 525.2	-88	-88	30	118	
2016/17-3	Lab	srgt LCS dup	12/27/2016	Organic	Perylene-d12	n/a	=	5.47	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/27/2016	Organic	Perylene-d12	n/a	=	109	%	EPA 525.2	-88	-88	30	118	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	Perylene-d12	n/a	=	3.6	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	Perylene-d12	n/a	=	72	%	EPA 525.2	-88	-88	30	118	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	Perylene-d12	n/a	=	4.21	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	Perylene-d12	n/a	=	84	%	EPA 525.2	-88	-88	30	118	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	Perylene-d12	n/a	=	3.94	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	Perylene-d12	n/a	=	79	%	EPA 525.2	-88	-88	30	118	
2016/17-3	ME-CC	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	3.58	µg/L	EPA 525.2	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	72	%	EPA 525.2	-88	-88	30	118	
2016/17-3	ME-VR2	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	4.1	µg/L	EPA 525.2	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-CAM	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	2.19	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	44	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-FIL	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	1.89	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	38	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-HUE	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	1.89	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	38	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-MEI	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	2.47	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	49	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-MPK	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	2.23	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	45	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-OJA	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	2.98	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	60	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-OXN	srgt environ	12/28/2016	Organic	Perylene-d12	n/a	=	1.85	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/28/2016	Organic	Perylene-d12	n/a	=	37	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-SIM	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	2.01	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	40	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	Perylene-d12	n/a	=	1.79	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	Perylene-d12	n/a	=	36	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-THO	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	1.75	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	35	%	EPA 525.2	-88	-88	30	118	
2016/17-3	MO-VEN	srgt environ	12/27/2016	Organic	Perylene-d12	n/a	=	2.39	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/27/2016	Organic	Perylene-d12	n/a	=	48	%	EPA 525.2	-88	-88	30	118	
2016/17-3	Lab	method blank	12/28/2016	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Phenanthrene	n/a	=	22.2	µg/L	EPA 625	0.32	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Phenanthrene	n/a	=	89	%	EPA 625	-88	-88	54	120	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Phenanthrene	n/a	=	24.2	µg/L	EPA 625	0.32	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Phenanthrene	n/a	=	97	%	EPA 625	-88	-88	54	120	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Phenanthrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Phenanthrene	n/a	=	22.9	µg/L	EPA 625	0.32	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Phenanthrene	n/a	=	92	%	EPA 625	-88	-88	54	120	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Phenanthrene	n/a	=	25.3	µg/L	EPA 625	0.32	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Phenanthrene	n/a	=	101	%	EPA 625	-88	-88	54	120	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Phenanthrene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Phenanthrene	n/a	=	8.91	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Phenanthrene	n/a	=	89	%	EPA 8270C	-88	-88	21	131	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Phenanthrene	n/a	=	9.32	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Phenanthrene	n/a	=	93	%	EPA 8270C	-88	-88	21	131	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Phenanthrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Phenol	n/a	=	8.06	µg/L	EPA 625	0.16	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Phenol	n/a	=	32	%	EPA 625	-88	-88	5	112	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Phenol	n/a	=	9.56	µg/L	EPA 625	0.16	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Phenol	n/a	=	38	%	EPA 625	-88	-88	5	112	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Phenol	n/a	=	17	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Phenol	n/a	=	8.23	µg/L	EPA 625	0.16	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Phenol	n/a	=	33	%	EPA 625	-88	-88	5	112	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Phenol	n/a	=	9.09	µg/L	EPA 625	0.16	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Phenol	n/a	=	36	%	EPA 625	-88	-88	5	112	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Phenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/10/2017	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-3	Lab	LCS	1/10/2017	Organic	Phenol	n/a	=	3.38	µg/L	EPA 8270C	0.35	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Organic	Phenol	n/a	=	34	%	EPA 8270C	-88	-88	6	43	
2016/17-3	Lab	LCS dup	1/10/2017	Organic	Phenol	n/a	=	3.67	µg/L	EPA 8270C	0.35	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Organic	Phenol	n/a	=	37	%	EPA 8270C	-88	-88	6	43	
2016/17-3	Lab	LCS, RPD	1/10/2017	Organic	Phenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	Phenol-d5	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	Phenol-d5	n/a	=	42	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	Phenol-d5	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	Phenol-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	Phenol-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt LCS dup	12/30/2016	Organic	Phenol-d5	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/30/2016	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt method blank	1/5/2017	Organic	Phenol-d5	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Organic	Phenol-d5	n/a	=	42	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt LCS	1/5/2017	Organic	Phenol-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Organic	Phenol-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2016/17-3	Lab	srgt method blank	1/10/2017	Organic	Phenol-d5	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/10/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2016/17-3	Lab	srgt LCS	1/10/2017	Organic	Phenol-d5	n/a	=	3.39	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/10/2017	Organic	Phenol-d5	n/a	=	34	%	EPA 8270C	-88	-88	5	46	
2016/17-3	Lab	srgt LCS dup	1/10/2017	Organic	Phenol-d5	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/10/2017	Organic	Phenol-d5	n/a	=	37	%	EPA 8270C	-88	-88	5	46	
2016/17-3	ME-CC	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-3	ME-CC	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	2.09	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	
2016/17-3	ME-VR2	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2016/17-3	ME-VR2	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	3.21	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-CAM	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	2.72	µg/L	EPA 625	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	5	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-CAM	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	1.5	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	15	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-FIL	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	13.6	µg/L	EPA 625	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-FIL	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	2.3	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-HUE	srgt environ	12/30/2016	Organic	Phenol-d5	n/a	=	10.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/30/2016	Organic	Phenol-d5	n/a	=	21	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-HUE	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	2.86	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-MEI	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	11.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-MEI	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	0.8	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	8	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-MPK	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-MPK	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-OJA	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OJA	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-OJA	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	1.85	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-OXN	srgt environ	12/30/2016	Organic	Phenol-d5	n/a	=	12	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/30/2016	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-OXN	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	1.65	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-SIM	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-SIM	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	2.99	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	8.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	17	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-SPA	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	1.65	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-THO	srgt environ	12/30/2016	Organic	Phenol-d5	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/30/2016	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-THO	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	2.76	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	28	%	EPA 8270C	-88	-88	5	46	
2016/17-3	MO-VEN	srgt environ	12/28/2016	Organic	Phenol-d5	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/28/2016	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2016/17-3	MO-VEN	srgt environ	1/10/2017	Organic	Phenol-d5	n/a	=	1.6	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/10/2017	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt LCS dup	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt method blank	1/5/2017	Organic	p-Terphenyl-d14	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt LCS	1/5/2017	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2016/17-3	Lab	srgt method blank	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	3.55	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2016/17-3	Lab	srgt LCS	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	4.05	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 8270C	-88	-88	19	134	
2016/17-3	Lab	srgt LCS dup	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	4.2	µg/L	EPA 8270C	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	ME-CC	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2016/17-3	ME-CC	srgt environ	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	2.49	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	50	%	EPA 8270C	-88	-88	19	134	
2016/17-3	ME-VR2	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2016/17-3	ME-VR2	srgt environ	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/9/2017	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-CAM	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	4.01	µg/L	EPA 625	-88	-88			GN
2016/17-3	MO-CAM	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	16	%	EPA 625	-88	-88	28	113	GN
2016/17-3	MO-CAM	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.23	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-FIL	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-FIL	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.8	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-HUE	srgt environ	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	64	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-HUE	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.67	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-MEI	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-MEI	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	2.82	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	56	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-MPK	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-MPK	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.65	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-OJA	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-OJA	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	2.72	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-OXN	srgt environ	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	15	µg/L	EPA 625	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-OXN	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.44	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-SIM	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-SIM	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.91	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-SPA	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.38	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-THO	srgt environ	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	16.4	µg/L	EPA 625	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/30/2016	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-THO	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.45	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-THO	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2016/17-3	MO-VEN	srgt environ	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/28/2016	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 625	-88	-88	28	113	
2016/17-3	MO-VEN	srgt environ	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	3.96	µg/L	EPA 8270C	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/10/2017	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 8270C	-88	-88	19	134	
2016/17-3	Lab	method blank	12/28/2016	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS	12/28/2016	Organic	Pyrene	n/a	=	24.6	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Organic	Pyrene	n/a	=	98	%	EPA 625	-88	-88	52	115	
2016/17-3	Lab	LCS dup	12/28/2016	Organic	Pyrene	n/a	=	27.4	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Organic	Pyrene	n/a	=	110	%	EPA 625	-88	-88	52	115	
2016/17-3	Lab	LCS, RPD	12/28/2016	Organic	Pyrene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS	12/30/2016	Organic	Pyrene	n/a	=	22.3	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Organic	Pyrene	n/a	=	89	%	EPA 625	-88	-88	52	115	
2016/17-3	Lab	LCS dup	12/30/2016	Organic	Pyrene	n/a	=	24.9	µg/L	EPA 625	0.25	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Organic	Pyrene	n/a	=	100	%	EPA 625	-88	-88	52	115	
2016/17-3	Lab	LCS, RPD	12/30/2016	Organic	Pyrene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	1/9/2017	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS	1/9/2017	Organic	Pyrene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS, rec	1/9/2017	Organic	Pyrene	n/a	=	103	%	EPA 8270C	-88	-88	26	128	
2016/17-3	Lab	LCS dup	1/9/2017	Organic	Pyrene	n/a	=	10.9	µg/L	EPA 8270C	0.1	0.1			
2016/17-3	Lab	LCS dup, rec	1/9/2017	Organic	Pyrene	n/a	=	109	%	EPA 8270C	-88	-88	26	128	
2016/17-3	Lab	LCS, RPD	1/9/2017	Organic	Pyrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-3	000NONPJ	srgt matrix spike	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0613	µg/L	EPA 608	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2016/17-3	000NONPJ	srgt matrix spike dup	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0529	µg/L	EPA 608	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	53	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt method blank	1/5/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0727	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt LCS	1/5/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0731	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt LCS dup	1/5/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0853	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt LCS	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.468	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	94	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt LCS dup	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.47	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	94	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt method blank	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0641	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt LCS	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.087	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	87	%	EPA 608	-88	-88	12	117	
2016/17-3	Lab	srgt LCS dup	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0841	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	84	%	EPA 608	-88	-88	12	117	
2016/17-3	ME-CC	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0513	µg/L	EPA 608	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	51	%	EPA 608	-88	-88	12	117	
2016/17-3	ME-VR2	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.067	µg/L	EPA 608	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-CAM	srgt environ	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0591	µg/L	EPA 608	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-FIL	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0717	µg/L	EPA 608	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-HUE	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0677	µg/L	EPA 608	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-MEI	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0627	µg/L	EPA 608	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	63	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-MPK	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0699	µg/L	EPA 608	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-OJA	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0524	µg/L	EPA 608	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-OXN	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0725	µg/L	EPA 608	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-SIM	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0614	µg/L	EPA 608	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-SPA	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0665	µg/L	EPA 608	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-THO	srgt environ	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0674	µg/L	EPA 608	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608	-88	-88	12	117	
2016/17-3	MO-VEN	srgt environ	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0694	µg/L	EPA 608	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608	-88	-88	12	117	
2016/17-3	000NONPJ	srgt matrix spike	12/21/2016	Organic	Toluene-d8	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/21/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	000NONPJ	srgt matrix spike dup	12/21/2016	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/21/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	Lab	srgt LCS	12/20/2016	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/20/2016	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-3	Lab	srgt method blank	12/20/2016	Organic	Toluene-d8	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/20/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	ME-CC	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-3	ME-VR2	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	52.5	µg/L	EPA 624	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-CAM	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	52	µg/L	EPA 624	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-CAM	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	52	µg/L	EPA 624	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-FIL	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-HUE	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-MEI	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	52	µg/L	EPA 624	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-MPK	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-OJA	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	52	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-OJA	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-OXN	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-SIM	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-SPA	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-THO	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-3	MO-VEN	srgt environ	12/20/2016	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/20/2016	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-3	000NONPJ	srgt matrix spike	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.451	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	000NONPJ	srgt matrix spike dup	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.465	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	000NONPJ	srgt matrix spike	12/30/2016	Organic	Triphenylphosphate	n/a	=	0.467	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	12/30/2016	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	000NONPJ	srgt matrix spike dup	12/30/2016	Organic	Triphenylphosphate	n/a	=	0.499	µg/L	EPA 525.2m	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike dup, rec	12/30/2016	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	Lab	srgt method blank	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.451	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	Lab	srgt LCS	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.41	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	Lab	srgt method blank	12/27/2016	Organic	Triphenylphosphate	n/a	=	5.64	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	149	
2016/17-3	Lab	srgt LCS	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.1	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	149	
2016/17-3	Lab	srgt LCS dup	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.13	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2	-88	-88	70	149	
2016/17-3	Lab	srgt method blank	12/28/2016	Organic	Triphenylphosphate	n/a	=	5.59	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/28/2016	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	149	
2016/17-3	Lab	srgt LCS	12/28/2016	Organic	Triphenylphosphate	n/a	=	6.72	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/28/2016	Organic	Triphenylphosphate	n/a	=	134	%	EPA 525.2	-88	-88	70	149	
2016/17-3	Lab	srgt LCS dup	12/28/2016	Organic	Triphenylphosphate	n/a	=	5.28	µg/L	EPA 525.2	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	12/28/2016	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	149	
2016/17-3	Lab	srgt method blank	12/30/2016	Organic	Triphenylphosphate	n/a	=	0.408	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt method blank, rec	12/30/2016	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	Lab	srgt LCS	12/30/2016	Organic	Triphenylphosphate	n/a	=	0.432	µg/L	EPA 525.2m	-88	-88			
2016/17-3	Lab	srgt LCS, rec	12/30/2016	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	ME-CC	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	7.38	µg/L	EPA 525.2	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	148	%	EPA 525.2	-88	-88	70	149	
2016/17-3	ME-CC	srgt environ	12/30/2016	Organic	Triphenylphosphate	n/a	=	1.03	µg/L	EPA 525.2m	-88	-88			EST,GN
2016/17-3	ME-CC	srgt environ, rec	12/30/2016	Organic	Triphenylphosphate	n/a	=	207	%	EPA 525.2m	-88	-88	40	163	EST,GN
2016/17-3	ME-VR2	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.75	µg/L	EPA 525.2	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	135	%	EPA 525.2	-88	-88	70	149	
2016/17-3	ME-VR2	srgt environ	12/30/2016	Organic	Triphenylphosphate	n/a	=	0.504	µg/L	EPA 525.2m	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	12/30/2016	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2m	-88	-88	40	163	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	MO-CAM	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.416	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	83	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-CAM	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	7.15	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	143	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-FIL	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.517	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-FIL	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.67	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-HUE	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.498	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-HUE	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.89	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	138	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-MEI	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.582	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-MEI	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.22	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-MPK	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.456	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-MPK	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.71	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	134	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-OJA	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.624	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-OJA	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	7.16	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	143	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-OXN	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.445	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-OXN	srgt environ	12/28/2016	Organic	Triphenylphosphate	n/a	=	4.26	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	12/28/2016	Organic	Triphenylphosphate	n/a	=	85	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-SIM	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.491	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	98	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-SIM	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.07	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-SPA	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.453	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-SPA	srgt environ	12/28/2016	Organic	Triphenylphosphate	n/a	=	3.06	µg/L	EPA 525.2	-88	-88			GN
2016/17-3	MO-SPA	srgt environ, rec	12/28/2016	Organic	Triphenylphosphate	n/a	=	61	%	EPA 525.2	-88	-88	70	149	GN
2016/17-3	MO-THO	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.503	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-THO	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	6.03	µg/L	EPA 525.2	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2	-88	-88	70	149	
2016/17-3	MO-VEN	srgt environ	12/22/2016	Organic	Triphenylphosphate	n/a	=	0.485	µg/L	EPA 525.2m	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	12/22/2016	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2m	-88	-88	40	163	
2016/17-3	MO-VEN	srgt environ	12/27/2016	Organic	Triphenylphosphate	n/a	=	7.57	µg/L	EPA 525.2	-88	-88			GN
2016/17-3	MO-VEN	srgt environ, rec	12/27/2016	Organic	Triphenylphosphate	n/a	=	151	%	EPA 525.2	-88	-88	70	149	GN
2016/17-3	000NONPJ	srgt matrix spike	1/7/2017	PCB	PCB 209	n/a	=	0.0509	µg/L	EPA 608	-88	-88			
2016/17-3	000NONPJ	srgt matrix spike, rec	1/7/2017	PCB	PCB 209	n/a	=	51	%	EPA 608	-88	-88	0.1	118	
2016/17-3	000NONPJ	srgt matrix spike dup	1/7/2017	PCB	PCB 209	n/a	=	0.0491	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	srgt matrix spike dup, rec	1/7/2017	PCB	PCB 209	n/a	=	49	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt method blank	1/5/2017	PCB	PCB 209	n/a	=	0.0692	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/5/2017	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt LCS	1/5/2017	PCB	PCB 209	n/a	=	0.0755	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/5/2017	PCB	PCB 209	n/a	=	75	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt LCS dup	1/5/2017	PCB	PCB 209	n/a	=	0.0811	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/5/2017	PCB	PCB 209	n/a	=	81	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt LCS	1/6/2017	PCB	PCB 209	n/a	=	0.447	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/6/2017	PCB	PCB 209	n/a	=	89	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt LCS dup	1/6/2017	PCB	PCB 209	n/a	=	0.457	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/6/2017	PCB	PCB 209	n/a	=	91	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt method blank	1/6/2017	PCB	PCB 209	n/a	=	0.0652	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt method blank, rec	1/6/2017	PCB	PCB 209	n/a	=	65	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt LCS	1/6/2017	PCB	PCB 209	n/a	=	0.0862	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS, rec	1/6/2017	PCB	PCB 209	n/a	=	86	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	srgt LCS dup	1/6/2017	PCB	PCB 209	n/a	=	0.0885	µg/L	EPA 608	-88	-88			
2016/17-3	Lab	srgt LCS dup, rec	1/6/2017	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	0.1	118	
2016/17-3	ME-CC	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.069	µg/L	EPA 608	-88	-88			
2016/17-3	ME-CC	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2016/17-3	ME-VR2	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0625	µg/L	EPA 608	-88	-88			
2016/17-3	ME-VR2	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	63	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-CAM	srgt environ	1/6/2017	PCB	PCB 209	n/a	=	0.0549	µg/L	EPA 608	-88	-88			
2016/17-3	MO-CAM	srgt environ, rec	1/6/2017	PCB	PCB 209	n/a	=	55	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-FIL	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0698	µg/L	EPA 608	-88	-88			
2016/17-3	MO-FIL	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	70	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-HUE	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.073	µg/L	EPA 608	-88	-88			
2016/17-3	MO-HUE	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	73	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-MEI	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0553	µg/L	EPA 608	-88	-88			
2016/17-3	MO-MEI	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	55	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-MPK	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0672	µg/L	EPA 608	-88	-88			
2016/17-3	MO-MPK	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	67	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-OJA	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0536	µg/L	EPA 608	-88	-88			
2016/17-3	MO-OJA	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-OXN	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0621	µg/L	EPA 608	-88	-88			
2016/17-3	MO-OXN	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	62	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-SIM	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0656	µg/L	EPA 608	-88	-88			
2016/17-3	MO-SIM	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	66	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-SPA	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0546	µg/L	EPA 608	-88	-88			
2016/17-3	MO-SPA	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	55	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-THO	srgt environ	1/7/2017	PCB	PCB 209	n/a	=	0.0694	µg/L	EPA 608	-88	-88			
2016/17-3	MO-THO	srgt environ, rec	1/7/2017	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2016/17-3	MO-VEN	srgt environ	1/6/2017	PCB	PCB 209	n/a	=	0.0657	µg/L	EPA 608	-88	-88			
2016/17-3	MO-VEN	srgt environ, rec	1/6/2017	PCB	PCB 209	n/a	=	66	%	EPA 608	-88	-88	0.1	118	
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-3	Lab	method blank	1/5/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-3	Lab	method blank	1/6/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4,5-T	n/a	=	4.05	µg/L	EPA 515.3	0.07	0.2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4,5-T	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4,5-T	n/a	=	3.91	µg/L	EPA 515.3	0.07	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4,5-T	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4,5-T	n/a	=	3.81	µg/L	EPA 515.3	0.07	0.2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4,5-T	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4,5-T	n/a	=	3.92	µg/L	EPA 515.3	0.07	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4,5-T	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	2,4,5-T	n/a	=	4.02	µg/L	EPA 515.3	0.07	0.2			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	2,4,5-T	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4,5-TP	n/a	=	4.33	µg/L	EPA 515.3	0.09	0.2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4,5-TP	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4,5-TP	n/a	=	4.07	µg/L	EPA 515.3	0.09	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4,5-TP	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4,5-TP	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4,5-TP	n/a	=	4.02	µg/L	EPA 515.3	0.09	0.2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4,5-TP	n/a	=	4.12	µg/L	EPA 515.3	0.09	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	2,4,5-TP	n/a	=	4.12	µg/L	EPA 515.3	0.09	0.2			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4-D	n/a	=	8.26	µg/L	EPA 515.3	0.07	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4-D	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4-D	n/a	=	8.16	µg/L	EPA 515.3	0.07	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4-D	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4-D	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4-D	n/a	=	8.68	µg/L	EPA 515.3	0.07	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4-D	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4-D	n/a	=	8.73	µg/L	EPA 515.3	0.07	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4-D	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS	12/30/2016	Pesticide	2,4-D	n/a	=	8.29	µg/L	EPA 515.3	0.07	0.4			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	2,4-D	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4-DB	n/a	=	15.2	µg/L	EPA 515.3	0.07	2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4-DB	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4-DB	n/a	=	15.3	µg/L	EPA 515.3	0.07	2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4-DB	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	2,4-DB	n/a	=	15.5	µg/L	EPA 515.3	0.07	2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	2,4-DB	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	2,4-DB	n/a	=	16	µg/L	EPA 515.3	0.07	2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	2,4-DB	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	2,4-DB	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	2,4-DB	n/a	=	15.4	µg/L	EPA 515.3	0.07	2			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.28	µg/L	EPA 515.3	0.09	1			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.3	µg/L	EPA 515.3	0.09	1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.41	µg/L	EPA 515.3	0.09	1			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.46	µg/L	EPA 515.3	0.09	1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.13	µg/L	EPA 515.3	0.09	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	4,4'-DDD	n/a	DNQ	0.0535	µg/L	EPA 608	0.03	0.5			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	4,4'-DDD	n/a	=	53	%	EPA 608	-88	-88	23	124	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	4,4'-DDD	n/a	DNQ	0.0473	µg/L	EPA 608	0.03	0.5			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	4,4'-DDD	n/a	=	47	%	EPA 608	-88	-88	23	124	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	4,4'-DDD	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	4,4'-DDD	n/a	=	0.0775	µg/L	EPA 608	0.003	0.05			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	4,4'-DDD	n/a	=	77	%	EPA 608	-88	-88	42	133	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	4,4'-DDD	n/a	=	0.0882	µg/L	EPA 608	0.003	0.05			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	4,4'-DDD	n/a	=	88	%	EPA 608	-88	-88	42	133	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	4,4'-DDD	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	4,4'-DDD	n/a	=	0.0894	µg/L	EPA 608	0.003	0.05			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	4,4'-DDD	n/a	=	89	%	EPA 608	-88	-88	42	133	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	4,4'-DDD	n/a	=	0.0987	µg/L	EPA 608	0.003	0.05			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	4,4'-DDD	n/a	=	99	%	EPA 608	-88	-88	42	133	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	4,4'-DDD	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	4,4'-DDE	n/a	DNQ	0.0539	µg/L	EPA 608	0.025	0.5			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	4,4'-DDE	n/a	=	54	%	EPA 608	-88	-88	30	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	4,4'-DDE	n/a	DNQ	0.0508	µg/L	EPA 608	0.025	0.5			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	4,4'-DDE	n/a	=	51	%	EPA 608	-88	-88	30	114	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	4,4'-DDE	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	4,4'-DDE	n/a	=	0.0687	µg/L	EPA 608	0.0025	0.05			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	4,4'-DDE	n/a	=	69	%	EPA 608	-88	-88	33	126	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	4,4'-DDE	n/a	=	0.0786	µg/L	EPA 608	0.0025	0.05			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	4,4'-DDE	n/a	=	79	%	EPA 608	-88	-88	33	126	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	4,4'-DDE	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	4,4'-DDE	n/a	=	0.0898	µg/L	EPA 608	0.0025	0.05			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	4,4'-DDE	n/a	=	90	%	EPA 608	-88	-88	33	126	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	4,4'-DDE	n/a	=	0.0931	µg/L	EPA 608	0.0025	0.05			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	4,4'-DDE	n/a	=	93	%	EPA 608	-88	-88	33	126	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	4,4'-DDE	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	4,4'-DDT	n/a	DNQ	0.0954	µg/L	EPA 608	0.031	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	4,4'-DDT	n/a	=	95	%	EPA 608	-88	-88	11	151	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	4,4'-DDT	n/a	DNQ	0.0845	µg/L	EPA 608	0.031	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	4,4'-DDT	n/a	=	84	%	EPA 608	-88	-88	11	151	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	4,4'-DDT	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	4,4'-DDT	n/a	=	0.0878	µg/L	EPA 608	0.0031	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	4,4'-DDT	n/a	=	88	%	EPA 608	-88	-88	35	147	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	4,4'-DDT	n/a	=	0.104	µg/L	EPA 608	0.0031	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	4,4'-DDT	n/a	=	104	%	EPA 608	-88	-88	35	147	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	4,4'-DDT	n/a	=	17	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	4,4'-DDT	n/a	=	0.116	µg/L	EPA 608	0.0031	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	4,4'-DDT	n/a	=	116	%	EPA 608	-88	-88	35	147	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	4,4'-DDT	n/a	=	0.121	µg/L	EPA 608	0.0031	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	4,4'-DDT	n/a	=	121	%	EPA 608	-88	-88	35	147	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	4,4'-DDT	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Acifluorfen	n/a	=	4.14	µg/L	EPA 515.3	0.06	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Acifluorfen	n/a	=	4.16	µg/L	EPA 515.3	0.06	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Acifluorfen	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Acifluorfen	n/a	=	4.23	µg/L	EPA 515.3	0.06	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Acifluorfen	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Acifluorfen	n/a	=	4.51	µg/L	EPA 515.3	0.06	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Acifluorfen	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Acifluorfen	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Acifluorfen	n/a	=	4.18	µg/L	EPA 515.3	0.06	0.4			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Alachlor	n/a	=	4.34	µg/L	EPA 525.2	0.022	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Alachlor	n/a	=	87	%	EPA 525.2	-88	-88	55	124	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Alachlor	n/a	=	4.19	µg/L	EPA 525.2	0.022	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Alachlor	n/a	=	84	%	EPA 525.2	-88	-88	55	124	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Alachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Aldrin	n/a	=	0.0601	µg/L	EPA 608	0.015	0.05			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Aldrin	n/a	=	60	%	EPA 608	-88	-88	18	110	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Aldrin	n/a	=	0.0616	µg/L	EPA 608	0.015	0.05			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Aldrin	n/a	=	62	%	EPA 608	-88	-88	18	110	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Aldrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Aldrin	n/a	=	0.0551	µg/L	EPA 608	0.0015	0.005			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Aldrin	n/a	=	55	%	EPA 608	-88	-88	18	117	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Aldrin	n/a	=	0.0769	µg/L	EPA 608	0.0015	0.005			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Aldrin	n/a	=	77	%	EPA 608	-88	-88	18	117	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Aldrin	n/a	=	33	%	EPA 608	-88	-88	0	30	IL
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Aldrin	n/a	=	0.0853	µg/L	EPA 608	0.0015	0.005			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Aldrin	n/a	=	85	%	EPA 608	-88	-88	18	117	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Aldrin	n/a	=	0.0891	µg/L	EPA 608	0.0015	0.005			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Aldrin	n/a	=	89	%	EPA 608	-88	-88	18	117	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Aldrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	alpha-BHC	n/a	DNQ	0.0728	µg/L	EPA 608	0.018	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	43	114	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	alpha-BHC	n/a	DNQ	0.0692	µg/L	EPA 608	0.018	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	alpha-BHC	n/a	=	69	%	EPA 608	-88	-88	43	114	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	alpha-BHC	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	alpha-BHC	n/a	=	0.064	µg/L	EPA 608	0.0018	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	alpha-BHC	n/a	=	64	%	EPA 608	-88	-88	47	119	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	alpha-BHC	n/a	=	0.0734	µg/L	EPA 608	0.0018	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	47	119	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	alpha-BHC	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	alpha-BHC	n/a	=	0.0802	µg/L	EPA 608	0.0018	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	alpha-BHC	n/a	=	80	%	EPA 608	-88	-88	47	119	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	alpha-BHC	n/a	=	0.0838	µg/L	EPA 608	0.0018	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	alpha-BHC	n/a	=	84	%	EPA 608	-88	-88	47	119	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	alpha-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-3	Lab	method blank	1/6/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Atrazine	n/a	=	5	µg/L	EPA 525.2	0.034	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Atrazine	n/a	=	100	%	EPA 525.2	-88	-88	67	131	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Atrazine	n/a	=	5.06	µg/L	EPA 525.2	0.034	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Atrazine	n/a	=	101	%	EPA 525.2	-88	-88	67	131	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Atrazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Azinphos methyl	n/a	=	0.0276	µg/L	EPA 525.2m	0.0055	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Azinphos methyl	n/a	=	55	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Azinphos methyl	n/a	=	0.0231	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Azinphos methyl	n/a	=	46	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Azinphos methyl	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0383	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Azinphos methyl	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0477	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Azinphos methyl	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Azinphos methyl	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Azinphos methyl	n/a	=	0.0272	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Azinphos methyl	n/a	=	54	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Azinphos methyl	n/a	=	0.0186	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Azinphos methyl	n/a	=	37	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Bentazon	n/a	=	16.7	µg/L	EPA 515.3	0.11	2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Bentazon	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Bentazon	n/a	=	16.4	µg/L	EPA 515.3	0.11	2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Bentazon	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Bentazon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Bentazon	n/a	=	16.6	µg/L	EPA 515.3	0.11	2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Bentazon	n/a	=	17.2	µg/L	EPA 515.3	0.11	2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Bentazon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Bentazon	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Bentazon	n/a	=	16.8	µg/L	EPA 515.3	0.11	2			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Bentazon	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	beta-BHC	n/a	=	0.0734	µg/L	EPA 608	0.031	0.05			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	beta-BHC	n/a	=	73	%	EPA 608	-88	-88	24	135	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	beta-BHC	n/a	=	0.0609	µg/L	EPA 608	0.031	0.05			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	beta-BHC	n/a	=	61	%	EPA 608	-88	-88	24	135	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	beta-BHC	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	beta-BHC	n/a	=	0.0721	µg/L	EPA 608	0.0031	0.005			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	beta-BHC	n/a	=	72	%	EPA 608	-88	-88	53	123	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	beta-BHC	n/a	=	0.0808	µg/L	EPA 608	0.0031	0.005			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	beta-BHC	n/a	=	81	%	EPA 608	-88	-88	53	123	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	beta-BHC	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	beta-BHC	n/a	=	0.0932	µg/L	EPA 608	0.0031	0.005			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	beta-BHC	n/a	=	93	%	EPA 608	-88	-88	53	123	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	beta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0031	0.005			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	beta-BHC	n/a	=	103	%	EPA 608	-88	-88	53	123	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	beta-BHC	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Bolstar	n/a	=	0.0376	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Bolstar	n/a	=	75	%	EPA 525.2m	-88	-88	4	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Bolstar	n/a	=	0.0452	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Bolstar	n/a	=	90	%	EPA 525.2m	-88	-88	4	184	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Bolstar	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Bolstar	n/a	=	0.0478	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Bolstar	n/a	=	96	%	EPA 525.2m	-88	-88	4	184	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Bolstar	n/a	=	0.0548	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Bolstar	n/a	=	110	%	EPA 525.2m	-88	-88	4	184	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Bolstar	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Bolstar	n/a	=	0.0307	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Bolstar	n/a	=	61	%	EPA 525.2m	-88	-88	11	166	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Bolstar	n/a	=	0.0456	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Bolstar	n/a	=	91	%	EPA 525.2m	-88	-88	11	166	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Bromacil	n/a	=	5.41	µg/L	EPA 525.2	0.038	1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Bromacil	n/a	=	108	%	EPA 525.2	-88	-88	62	139	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Bromacil	n/a	=	5.54	µg/L	EPA 525.2	0.038	1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Bromacil	n/a	=	111	%	EPA 525.2	-88	-88	62	139	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Bromacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Butachlor	n/a	=	4.62	µg/L	EPA 525.2	0.017	0.2			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Butachlor	n/a	=	92	%	EPA 525.2	-88	-88	61	127	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Butachlor	n/a	=	4.36	µg/L	EPA 525.2	0.017	0.2			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Butachlor	n/a	=	87	%	EPA 525.2	-88	-88	61	127	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Butachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Captan	n/a	=	4.72	µg/L	EPA 525.2	0.86	1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Captan	n/a	=	94	%	EPA 525.2	-88	-88	14	159	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Captan	n/a	=	4.79	µg/L	EPA 525.2	0.86	1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Captan	n/a	=	96	%	EPA 525.2	-88	-88	14	159	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Captan	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Chloroprotham	n/a	=	4.82	µg/L	EPA 525.2	0.01	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Chloroprotham	n/a	=	96	%	EPA 525.2	-88	-88	77	143	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Chloroprotham	n/a	=	4.77	µg/L	EPA 525.2	0.01	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Chloroprotham	n/a	=	95	%	EPA 525.2	-88	-88	77	143	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Chloroprotham	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	0.0514	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	103	%	EPA 525.2m	-88	-88	37	168	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	0.0558	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	112	%	EPA 525.2m	-88	-88	37	168	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.061	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	122	%	EPA 525.2m	-88	-88	37	168	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0552	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	110	%	EPA 525.2m	-88	-88	37	168	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	0.0519	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Chlorpyrifos	n/a	=	104	%	EPA 525.2m	-88	-88	37	169	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	0.0584	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Chlorpyrifos	n/a	=	117	%	EPA 525.2m	-88	-88	37	169	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Coumaphos	n/a	=	0.0339	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Coumaphos	n/a	=	68	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Coumaphos	n/a	=	0.0348	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Coumaphos	n/a	=	70	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Coumaphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Coumaphos	n/a	=	0.0472	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Coumaphos	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Coumaphos	n/a	=	0.0547	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Coumaphos	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Coumaphos	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Coumaphos	n/a	=	0.0325	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Coumaphos	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Coumaphos	n/a	=	0.0371	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Coumaphos	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Cyanazine	n/a	=	4.57	µg/L	EPA 525.2	0.024	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Cyanazine	n/a	=	91	%	EPA 525.2	-88	-88	61	129	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Cyanazine	n/a	=	4.68	µg/L	EPA 525.2	0.024	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Cyanazine	n/a	=	94	%	EPA 525.2	-88	-88	61	129	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Cyanazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dalapon	n/a	=	8.54	µg/L	EPA 515.3	0.1	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dalapon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dalapon	n/a	=	8.46	µg/L	EPA 515.3	0.1	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dalapon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dalapon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dalapon	n/a	=	8.18	µg/L	EPA 515.3	0.1	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dalapon	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dalapon	n/a	=	8.48	µg/L	EPA 515.3	0.1	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dalapon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dalapon	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Dalapon	n/a	=	8.59	µg/L	EPA 515.3	0.1	0.4			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Dalapon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	4.02	µg/L	EPA 515.3	0.07	0.1			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	4.05	µg/L	EPA 515.3	0.07	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.93	µg/L	EPA 515.3	0.07	0.1			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	4.05	µg/L	EPA 515.3	0.07	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	3.96	µg/L	EPA 515.3	0.07	0.1			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	DCPA (Dacthal)	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	delta-BHC	n/a	=	0.0704	µg/L	EPA 608	0.025	0.05			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	delta-BHC	n/a	=	70	%	EPA 608	-88	-88	37	122	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	delta-BHC	n/a	=	0.0621	µg/L	EPA 608	0.025	0.05			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	delta-BHC	n/a	=	62	%	EPA 608	-88	-88	37	122	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	delta-BHC	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	delta-BHC	n/a	=	0.0788	µg/L	EPA 608	0.0025	0.005			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	delta-BHC	n/a	=	79	%	EPA 608	-88	-88	51	123	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	delta-BHC	n/a	=	0.0795	µg/L	EPA 608	0.0025	0.005			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	delta-BHC	n/a	=	79	%	EPA 608	-88	-88	51	123	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	delta-BHC	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	delta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0025	0.005			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	delta-BHC	n/a	=	103	%	EPA 608	-88	-88	51	123	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	delta-BHC	n/a	=	0.105	µg/L	EPA 608	0.0025	0.005			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	delta-BHC	n/a	=	105	%	EPA 608	-88	-88	51	123	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	delta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Demeton-O	n/a	=	0.0279	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Demeton-O	n/a	=	56	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Demeton-O	n/a	=	0.0263	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Demeton-O	n/a	=	53	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Demeton-O	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Demeton-O	n/a	=	0.0363	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Demeton-O	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Demeton-O	n/a	=	0.0345	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Demeton-O	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Demeton-O	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Demeton-O	n/a	=	0.0111	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Demeton-O	n/a	=	22	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Demeton-O	n/a	=	0.0257	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Demeton-O	n/a	=	51	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Demeton-S	n/a	=	0.0552	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Demeton-S	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Demeton-S	n/a	=	0.0496	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Demeton-S	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	207	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Demeton-S	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Demeton-S	n/a	=	0.0709	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Demeton-S	n/a	=	142	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Demeton-S	n/a	=	0.076	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Demeton-S	n/a	=	152	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Demeton-S	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Demeton-S	n/a	=	0.0444	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Demeton-S	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Demeton-S	n/a	=	0.0525	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Demeton-S	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Diazinon	n/a	=	0.0407	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Diazinon	n/a	=	81	%	EPA 525.2m	-88	-88	36	153	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Diazinon	n/a	=	0.0406	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Diazinon	n/a	=	81	%	EPA 525.2m	-88	-88	36	153	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Diazinon	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Diazinon	n/a	=	0.0491	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Diazinon	n/a	=	98	%	EPA 525.2m	-88	-88	36	153	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Diazinon	n/a	=	0.0455	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Diazinon	n/a	=	91	%	EPA 525.2m	-88	-88	36	153	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Diazinon	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Diazinon	n/a	=	0.0308	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Diazinon	n/a	=	62	%	EPA 525.2m	-88	-88	43	152	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Diazinon	n/a	=	3.96	µg/L	EPA 525.2	0.096	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Diazinon	n/a	=	79	%	EPA 525.2	-88	-88	30	120	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Diazinon	n/a	=	3.88	µg/L	EPA 525.2	0.096	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Diazinon	n/a	=	78	%	EPA 525.2	-88	-88	30	120	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Diazinon	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Diazinon	n/a	=	0.0361	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Diazinon	n/a	=	72	%	EPA 525.2m	-88	-88	43	152	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dicamba	n/a	=	8.22	µg/L	EPA 515.3	0.12	0.6			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dicamba	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dicamba	n/a	=	8.16	µg/L	EPA 515.3	0.12	0.6			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dicamba	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dicamba	n/a	=	7.93	µg/L	EPA 515.3	0.12	0.6			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dicamba	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dicamba	n/a	=	7.93	µg/L	EPA 515.3	0.12	0.6			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dicamba	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dicamba	n/a	=	0.03	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Dicamba	n/a	=	8.03	µg/L	EPA 515.3	0.12	0.6			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dichlorprop	n/a	=	8.45	µg/L	EPA 515.3	0.08	0.3			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dichlorprop	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dichlorprop	n/a	=	8.38	µg/L	EPA 515.3	0.08	0.3			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dichlorprop	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dichlorprop	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dichlorprop	n/a	=	8.89	µg/L	EPA 515.3	0.08	0.3			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dichlorprop	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dichlorprop	n/a	=	8.91	µg/L	EPA 515.3	0.08	0.3			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dichlorprop	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dichlorprop	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Dichlorprop	n/a	=	8.24	µg/L	EPA 515.3	0.08	0.3			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Dichlorvos	n/a	=	0.0505	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Dichlorvos	n/a	=	101	%	EPA 525.2m	-88	-88	42	137	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Dichlorvos	n/a	=	0.0425	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Dichlorvos	n/a	=	85	%	EPA 525.2m	-88	-88	42	137	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Dichlorvos	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dichlorvos	n/a	=	0.0598	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dichlorvos	n/a	=	120	%	EPA 525.2m	-88	-88	42	137	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dichlorvos	n/a	=	0.063	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dichlorvos	n/a	=	126	%	EPA 525.2m	-88	-88	42	137	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dichlorvos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Dichlorvos	n/a	=	0.0492	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Dichlorvos	n/a	=	98	%	EPA 525.2m	-88	-88	46	133	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Dichlorvos	n/a	=	0.0497	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	46	133	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Dieldrin	n/a	DNQ	0.0576	µg/L	EPA 608	0.021	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Dieldrin	n/a	=	58	%	EPA 608	-88	-88	27	132	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Dieldrin	n/a	DNQ	0.0499	µg/L	EPA 608	0.021	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Dieldrin	n/a	=	50	%	EPA 608	-88	-88	27	132	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Dieldrin	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Dieldrin	n/a	=	0.0802	µg/L	EPA 608	0.0021	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Dieldrin	n/a	=	80	%	EPA 608	-88	-88	48	123	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Dieldrin	n/a	=	0.0902	µg/L	EPA 608	0.0021	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Dieldrin	n/a	=	90	%	EPA 608	-88	-88	48	123	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Dieldrin	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Dieldrin	n/a	=	0.0997	µg/L	EPA 608	0.0021	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Dieldrin	n/a	=	100	%	EPA 608	-88	-88	48	123	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Dieldrin	n/a	=	0.103	µg/L	EPA 608	0.0021	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Dieldrin	n/a	=	103	%	EPA 608	-88	-88	48	123	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Dieldrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Dimethoate	n/a	=	0.0301	µg/L	EPA 525.2m	0.0062	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Dimethoate	n/a	=	60	%	EPA 525.2m	-88	-88	4	222	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Dimethoate	n/a	=	0.0205	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Dimethoate	n/a	=	41	%	EPA 525.2m	-88	-88	4	222	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Dimethoate	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	IL
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dimethoate	n/a	=	0.0565	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dimethoate	n/a	=	113	%	EPA 525.2m	-88	-88	4	222	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dimethoate	n/a	=	0.0455	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dimethoate	n/a	=	91	%	EPA 525.2m	-88	-88	4	222	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dimethoate	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Dimethoate	n/a	=	0.0301	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Dimethoate	n/a	=	60	%	EPA 525.2m	-88	-88	10	234	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Dimethoate	n/a	=	3.05	µg/L	EPA 525.2	0.024	0.2			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Dimethoate	n/a	=	61	%	EPA 525.2	-88	-88	38	102	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Dimethoate	n/a	=	3.32	µg/L	EPA 525.2	0.024	0.2			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Dimethoate	n/a	=	66	%	EPA 525.2	-88	-88	38	102	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Dimethoate	n/a	=	0.0195	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Dimethoate	n/a	=	39	%	EPA 525.2m	-88	-88	10	234	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dinoseb	n/a	=	4.04	µg/L	EPA 515.3	0.14	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dinoseb	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dinoseb	n/a	=	4.08	µg/L	EPA 515.3	0.14	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dinoseb	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dinoseb	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Dinoseb	n/a	=	4.8	µg/L	EPA 515.3	0.14	0.4			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Dinoseb	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Dinoseb	n/a	=	4.82	µg/L	EPA 515.3	0.14	0.4			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Dinoseb	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Dinoseb	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Dinoseb	n/a	=	4.08	µg/L	EPA 515.3	0.14	0.4			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Dinoseb	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Diphenamid	n/a	=	5.2	µg/L	EPA 525.2	0.024	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Diphenamid	n/a	=	104	%	EPA 525.2	-88	-88	77	124	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Diphenamid	n/a	=	5.17	µg/L	EPA 525.2	0.024	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Diphenamid	n/a	=	103	%	EPA 525.2	-88	-88	77	124	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Diphenamid	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Disulfoton	n/a	=	0.0411	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Disulfoton	n/a	=	82	%	EPA 525.2m	-88	-88	12	199	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Disulfoton	n/a	=	0.048	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Disulfoton	n/a	=	96	%	EPA 525.2m	-88	-88	12	199	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Disulfoton	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Disulfoton	n/a	=	0.0549	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Disulfoton	n/a	=	110	%	EPA 525.2m	-88	-88	12	199	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Disulfoton	n/a	=	0.0588	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Disulfoton	n/a	=	118	%	EPA 525.2m	-88	-88	12	199	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Disulfoton	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Disulfoton	n/a	=	0.028	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Disulfoton	n/a	=	56	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Disulfoton	n/a	=	2.98	µg/L	EPA 525.2	0.031	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Disulfoton	n/a	=	60	%	EPA 525.2	-88	-88	54	156	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Disulfoton	n/a	=	3.08	µg/L	EPA 525.2	0.031	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Disulfoton	n/a	=	62	%	EPA 525.2	-88	-88	54	156	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Disulfoton	n/a	=	0.0513	µg/L	EPA 525.2m	0.01	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Disulfoton	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Endosulfan I	n/a	DNQ	0.0437	µg/L	EPA 608	0.017	0.2			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Endosulfan I	n/a	=	44	%	EPA 608	-88	-88	0.1	140	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Endosulfan I	n/a	DNQ	0.0378	µg/L	EPA 608	0.017	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Endosulfan I	n/a	=	38	%	EPA 608	-88	-88	0.1	140	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Endosulfan I	n/a	=	15	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Endosulfan I	n/a	=	0.0777	µg/L	EPA 608	0.0017	0.02			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Endosulfan I	n/a	=	78	%	EPA 608	-88	-88	14	131	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Endosulfan I	n/a	=	0.0891	µg/L	EPA 608	0.0017	0.02			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Endosulfan I	n/a	=	89	%	EPA 608	-88	-88	14	131	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Endosulfan I	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Endosulfan I	n/a	=	0.0856	µg/L	EPA 608	0.0017	0.02			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Endosulfan I	n/a	=	86	%	EPA 608	-88	-88	14	131	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Endosulfan I	n/a	=	0.0872	µg/L	EPA 608	0.0017	0.02			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Endosulfan I	n/a	=	87	%	EPA 608	-88	-88	14	131	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Endosulfan I	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Endosulfan II	n/a	DNQ	0.0458	µg/L	EPA 608	0.019	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Endosulfan II	n/a	=	46	%	EPA 608	-88	-88	17	122	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Endosulfan II	n/a	DNQ	0.0422	µg/L	EPA 608	0.019	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Endosulfan II	n/a	=	42	%	EPA 608	-88	-88	17	122	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Endosulfan II	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Endosulfan II	n/a	=	0.0574	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Endosulfan II	n/a	=	57	%	EPA 608	-88	-88	40	121	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Endosulfan II	n/a	=	0.0642	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Endosulfan II	n/a	=	64	%	EPA 608	-88	-88	40	121	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Endosulfan II	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Endosulfan II	n/a	=	0.0713	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Endosulfan II	n/a	=	71	%	EPA 608	-88	-88	40	121	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Endosulfan II	n/a	=	0.0769	µg/L	EPA 608	0.0019	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Endosulfan II	n/a	=	77	%	EPA 608	-88	-88	40	121	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Endosulfan II	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0711	µg/L	EPA 608	0	0.5			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Endosulfan sulfate	n/a	=	71	%	EPA 608	-88	-88	37	131	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0574	µg/L	EPA 608	0	0.5			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Endosulfan sulfate	n/a	=	57	%	EPA 608	-88	-88	37	131	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Endosulfan sulfate	n/a	=	21	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0716	µg/L	EPA 608	0.008	0.05			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Endosulfan sulfate	n/a	=	72	%	EPA 608	-88	-88	44	140	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0827	µg/L	EPA 608	0.008	0.05			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Endosulfan sulfate	n/a	=	83	%	EPA 608	-88	-88	44	140	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Endosulfan sulfate	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Endosulfan sulfate	n/a	=	0.091	µg/L	EPA 608	0.008	0.05			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Endosulfan sulfate	n/a	=	91	%	EPA 608	-88	-88	44	140	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0959	µg/L	EPA 608	0.008	0.05			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Endosulfan sulfate	n/a	=	96	%	EPA 608	-88	-88	44	140	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Endosulfan sulfate	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Endrin	n/a	DNQ	0.0815	µg/L	EPA 608	0.028	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Endrin	n/a	=	81	%	EPA 608	-88	-88	42	144	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Endrin	n/a	DNQ	0.0798	µg/L	EPA 608	0.028	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Endrin	n/a	=	80	%	EPA 608	-88	-88	42	144	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Endrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Endrin	n/a	=	0.0871	µg/L	EPA 608	0.0028	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Endrin	n/a	=	87	%	EPA 608	-88	-88	40	143	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Endrin	n/a	=	0.102	µg/L	EPA 608	0.0028	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Endrin	n/a	=	102	%	EPA 608	-88	-88	40	143	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Endrin	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Endrin	n/a	=	0.115	µg/L	EPA 608	0.0028	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Endrin	n/a	=	115	%	EPA 608	-88	-88	40	143	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Endrin	n/a	=	0.117	µg/L	EPA 608	0.0028	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Endrin	n/a	=	117	%	EPA 608	-88	-88	40	143	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Endrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Endrin aldehyde	n/a	DNQ	0.0557	µg/L	EPA 608	0.03	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Endrin aldehyde	n/a	=	56	%	EPA 608	-88	-88	11	113	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Endrin aldehyde	n/a	DNQ	0.0668	µg/L	EPA 608	0.03	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Endrin aldehyde	n/a	=	67	%	EPA 608	-88	-88	11	113	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Endrin aldehyde	n/a	=	18	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Endrin aldehyde	n/a	=	0.0536	µg/L	EPA 608	0.003	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Endrin aldehyde	n/a	=	54	%	EPA 608	-88	-88	18	136	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Endrin aldehyde	n/a	=	0.0754	µg/L	EPA 608	0.003	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Endrin aldehyde	n/a	=	75	%	EPA 608	-88	-88	18	136	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Endrin aldehyde	n/a	=	34	%	EPA 608	-88	-88	0	30	IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Endrin aldehyde	n/a	=	0.0881	µg/L	EPA 608	0.003	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Endrin aldehyde	n/a	=	88	%	EPA 608	-88	-88	18	136	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Endrin aldehyde	n/a	=	0.0867	µg/L	EPA 608	0.003	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Endrin aldehyde	n/a	=	87	%	EPA 608	-88	-88	18	136	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Endrin aldehyde	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	EPTC	n/a	=	4.84	µg/L	EPA 525.2	0.017	1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	EPTC	n/a	=	97	%	EPA 525.2	-88	-88	82	116	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	EPTC	n/a	=	4.75	µg/L	EPA 525.2	0.017	1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	EPTC	n/a	=	95	%	EPA 525.2	-88	-88	82	116	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Ethoprop	n/a	=	0.0458	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Ethoprop	n/a	=	92	%	EPA 525.2m	-88	-88	51	167	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Ethoprop	n/a	=	0.0448	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Ethoprop	n/a	=	90	%	EPA 525.2m	-88	-88	51	167	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Ethoprop	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Ethoprop	n/a	=	0.0523	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Ethoprop	n/a	=	105	%	EPA 525.2m	-88	-88	51	167	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Ethoprop	n/a	=	0.0517	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Ethoprop	n/a	=	103	%	EPA 525.2m	-88	-88	51	167	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Ethoprop	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Ethoprop	n/a	=	0.0472	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Ethoprop	n/a	=	94	%	EPA 525.2m	-88	-88	53	163	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Ethoprop	n/a	=	0.041	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Ethoprop	n/a	=	82	%	EPA 525.2m	-88	-88	53	163	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Ethyl parathion	n/a	=	0.0599	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Ethyl parathion	n/a	=	120	%	EPA 525.2m	-88	-88	5	229	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Ethyl parathion	n/a	=	0.0587	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Ethyl parathion	n/a	=	117	%	EPA 525.2m	-88	-88	5	229	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Ethyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Ethyl parathion	n/a	=	0.07	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Ethyl parathion	n/a	=	140	%	EPA 525.2m	-88	-88	5	229	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0727	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Ethyl parathion	n/a	=	145	%	EPA 525.2m	-88	-88	5	229	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Ethyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Ethyl parathion	n/a	=	0.0568	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Ethyl parathion	n/a	=	114	%	EPA 525.2m	-88	-88	7	230	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Ethyl parathion	n/a	=	0.0599	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Ethyl parathion	n/a	=	120	%	EPA 525.2m	-88	-88	7	230	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Fensulfothion	n/a	=	0.0334	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Fensulfothion	n/a	=	67	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Fensulfothion	n/a	=	0.0322	µg/L	EPA 525.2m	0.0029	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Fensulfothion	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Fensulfothion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Fensulfothion	n/a	=	0.0391	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Fensulfothion	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Fensulfothion	n/a	=	0.0467	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Fensulfothion	n/a	=	93	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Fensulfothion	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Fensulfothion	n/a	=	0.0341	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Fensulfothion	n/a	=	68	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Fensulfothion	n/a	=	0.0242	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Fensulfothion	n/a	=	48	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Fenthion	n/a	=	0.0399	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Fenthion	n/a	=	80	%	EPA 525.2m	-88	-88	23	169	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Fenthion	n/a	=	0.0478	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Fenthion	n/a	=	96	%	EPA 525.2m	-88	-88	23	169	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Fenthion	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Fenthion	n/a	=	0.0539	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Fenthion	n/a	=	108	%	EPA 525.2m	-88	-88	23	169	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Fenthion	n/a	=	0.056	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Fenthion	n/a	=	112	%	EPA 525.2m	-88	-88	23	169	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Fenthion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Fenthion	n/a	=	0.0312	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Fenthion	n/a	=	62	%	EPA 525.2m	-88	-88	20	177	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Fenthion	n/a	=	0.0458	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Fenthion	n/a	=	92	%	EPA 525.2m	-88	-88	20	177	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0678	µg/L	EPA 608	0.021	0.2			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	68	%	EPA 608	-88	-88	33	112	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0603	µg/L	EPA 608	0.021	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	60	%	EPA 608	-88	-88	33	112	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.08	µg/L	EPA 608	0.0021	0.02			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	80	%	EPA 608	-88	-88	49	117	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0824	µg/L	EPA 608	0.0021	0.02			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	82	%	EPA 608	-88	-88	49	117	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0911	µg/L	EPA 608	0.0021	0.02			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	91	%	EPA 608	-88	-88	49	117	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.098	µg/L	EPA 608	0.0021	0.02			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	98	%	EPA 608	-88	-88	49	117	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-3	000NONPJ	matrix spike	12/21/2016	Pesticide	Glyphosate	n/a	=	27.1	µg/L	EPA 547	1.8	5			
2016/17-3	000NONPJ	matrix spike, rec	12/21/2016	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	41	149	
2016/17-3	000NONPJ	matrix spike dup	12/21/2016	Pesticide	Glyphosate	n/a	=	24.7	µg/L	EPA 547	1.8	5			
2016/17-3	000NONPJ	matrix spike dup, rec	12/21/2016	Pesticide	Glyphosate	n/a	=	82	%	EPA 547	-88	-88	41	149	
2016/17-3	000NONPJ	matrix spike, RPD	12/21/2016	Pesticide	Glyphosate	n/a	=	10	%	EPA 547	-88	-88	0	30	
2016/17-3	Lab	method blank	12/21/2016	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-3	Lab	LCS	12/21/2016	Pesticide	Glyphosate	n/a	=	20.8	µg/L	EPA 547	1.8	5			
2016/17-3	Lab	LCS, rec	12/21/2016	Pesticide	Glyphosate	n/a	=	83	%	EPA 547	-88	-88	62	130	
2016/17-3	Lab	method blank	12/23/2016	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-3	Lab	LCS	12/23/2016	Pesticide	Glyphosate	n/a	=	29.3	µg/L	EPA 547	1.8	5			
2016/17-3	Lab	LCS, rec	12/23/2016	Pesticide	Glyphosate	n/a	=	117	%	EPA 547	-88	-88	62	130	
2016/17-3	ME-CC	matrix spike	12/21/2016	Pesticide	Glyphosate	n/a	=	29.9	µg/L	EPA 547	1.8	5			
2016/17-3	ME-CC	matrix spike, rec	12/21/2016	Pesticide	Glyphosate	n/a	=	82	%	EPA 547	-88	-88	41	149	
2016/17-3	ME-CC	matrix spike dup	12/21/2016	Pesticide	Glyphosate	n/a	=	31.2	µg/L	EPA 547	1.8	5			
2016/17-3	ME-CC	matrix spike dup, rec	12/21/2016	Pesticide	Glyphosate	n/a	=	88	%	EPA 547	-88	-88	41	149	
2016/17-3	ME-CC	matrix spike, RPD	12/21/2016	Pesticide	Glyphosate	n/a	=	4	%	EPA 547	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Heptachlor	n/a	DNQ	0.0568	µg/L	EPA 608	0.017	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Heptachlor	n/a	=	57	%	EPA 608	-88	-88	28	131	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Heptachlor	n/a	DNQ	0.0529	µg/L	EPA 608	0.017	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Heptachlor	n/a	=	53	%	EPA 608	-88	-88	28	131	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Heptachlor	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Heptachlor	n/a	=	0.0896	µg/L	EPA 608	0.0017	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Heptachlor	n/a	=	90	%	EPA 608	-88	-88	31	130	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Heptachlor	n/a	=	0.0898	µg/L	EPA 608	0.0017	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Heptachlor	n/a	=	90	%	EPA 608	-88	-88	31	130	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Heptachlor	n/a	=	0.3	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Heptachlor	n/a	=	0.102	µg/L	EPA 608	0.0017	0.01			
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Heptachlor	n/a	=	102	%	EPA 608	-88	-88	31	130	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Heptachlor	n/a	=	0.11	µg/L	EPA 608	0.0017	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Heptachlor	n/a	=	110	%	EPA 608	-88	-88	31	130	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Heptachlor	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	1/7/2017	Pesticide	Heptachlor epoxide	n/a	DNQ	0.0548	µg/L	EPA 608	0.019	0.1			
2016/17-3	000NONPJ	matrix spike, rec	1/7/2017	Pesticide	Heptachlor epoxide	n/a	=	55	%	EPA 608	-88	-88	36	117	
2016/17-3	000NONPJ	matrix spike dup	1/7/2017	Pesticide	Heptachlor epoxide	n/a	DNQ	0.0495	µg/L	EPA 608	0.019	0.1			
2016/17-3	000NONPJ	matrix spike dup, rec	1/7/2017	Pesticide	Heptachlor epoxide	n/a	=	49	%	EPA 608	-88	-88	36	117	
2016/17-3	000NONPJ	matrix spike, RPD	1/7/2017	Pesticide	Heptachlor epoxide	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS	1/5/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0837	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS, rec	1/5/2017	Pesticide	Heptachlor epoxide	n/a	=	84	%	EPA 608	-88	-88	49	122	
2016/17-3	Lab	LCS dup	1/5/2017	Pesticide	Heptachlor epoxide	n/a	=	0.09	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS dup, rec	1/5/2017	Pesticide	Heptachlor epoxide	n/a	=	90	%	EPA 608	-88	-88	49	122	
2016/17-3	Lab	LCS, RPD	1/5/2017	Pesticide	Heptachlor epoxide	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS	1/6/2017	Pesticide	Heptachlor epoxide	n/a	=	0.106	µg/L	EPA 608	0.0019	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, rec	1/6/2017	Pesticide	Heptachlor epoxide	n/a	=	106	%	EPA 608	-88	-88	49	122	
2016/17-3	Lab	LCS dup	1/6/2017	Pesticide	Heptachlor epoxide	n/a	=	0.107	µg/L	EPA 608	0.0019	0.01			
2016/17-3	Lab	LCS dup, rec	1/6/2017	Pesticide	Heptachlor epoxide	n/a	=	107	%	EPA 608	-88	-88	49	122	
2016/17-3	Lab	LCS, RPD	1/6/2017	Pesticide	Heptachlor epoxide	n/a	=	0.7	%	EPA 608	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Malathion	n/a	=	0.0589	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Malathion	n/a	=	118	%	EPA 525.2m	-88	-88	6	184	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Malathion	n/a	=	0.0592	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Malathion	n/a	=	118	%	EPA 525.2m	-88	-88	6	184	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Malathion	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Malathion	n/a	=	0.0756	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Malathion	n/a	=	151	%	EPA 525.2m	-88	-88	6	184	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Malathion	n/a	=	0.0787	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Malathion	n/a	=	157	%	EPA 525.2m	-88	-88	6	184	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Malathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Malathion	n/a	=	0.0575	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Malathion	n/a	=	115	%	EPA 525.2m	-88	-88	14	175	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Malathion	n/a	=	0.0549	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Malathion	n/a	=	110	%	EPA 525.2m	-88	-88	14	175	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Merphos	n/a	=	0.037	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Merphos	n/a	=	74	%	EPA 525.2m	-88	-88	3	210	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Merphos	n/a	=	0.0398	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Merphos	n/a	=	80	%	EPA 525.2m	-88	-88	3	210	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Merphos	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Merphos	n/a	=	0.0492	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Merphos	n/a	=	98	%	EPA 525.2m	-88	-88	3	210	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Merphos	n/a	=	0.0549	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Merphos	n/a	=	110	%	EPA 525.2m	-88	-88	3	210	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Merphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Merphos	n/a	=	0.0532	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Merphos	n/a	=	106	%	EPA 525.2m	-88	-88	28	181	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Merphos	n/a	=	0.0453	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Merphos	n/a	=	91	%	EPA 525.2m	-88	-88	28	181	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Methyl parathion	n/a	=	0.0562	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Methyl parathion	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Methyl parathion	n/a	=	0.0506	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Methyl parathion	n/a	=	101	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Methyl parathion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Methyl parathion	n/a	=	0.0682	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Methyl parathion	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Methyl parathion	n/a	=	0.0743	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Methyl parathion	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	249	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Methyl parathion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Methyl parathion	n/a	=	0.0552	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Methyl parathion	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Methyl parathion	n/a	=	0.0519	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Methyl parathion	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Metolachlor	n/a	=	4.82	µg/L	EPA 525.2	0.012	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Metolachlor	n/a	=	96	%	EPA 525.2	-88	-88	61	123	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Metolachlor	n/a	=	4.47	µg/L	EPA 525.2	0.012	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Metolachlor	n/a	=	89	%	EPA 525.2	-88	-88	61	123	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Metolachlor	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Metribuzin	n/a	=	3.88	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Metribuzin	n/a	=	78	%	EPA 525.2	-88	-88	50	121	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Metribuzin	n/a	=	4.31	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Metribuzin	n/a	=	86	%	EPA 525.2	-88	-88	50	121	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Metribuzin	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Mevinphos	n/a	=	0.036	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Mevinphos	n/a	=	72	%	EPA 525.2m	-88	-88	25	189	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Mevinphos	n/a	=	0.0292	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Mevinphos	n/a	=	58	%	EPA 525.2m	-88	-88	25	189	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Mevinphos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Mevinphos	n/a	=	0.0488	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Mevinphos	n/a	=	98	%	EPA 525.2m	-88	-88	25	189	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Mevinphos	n/a	=	0.0496	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Mevinphos	n/a	=	99	%	EPA 525.2m	-88	-88	25	189	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Mevinphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Mevinphos	n/a	=	0.0363	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Mevinphos	n/a	=	73	%	EPA 525.2m	-88	-88	14	202	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Mevinphos	n/a	=	0.0243	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Mevinphos	n/a	=	49	%	EPA 525.2m	-88	-88	14	202	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Molinate	n/a	=	4.77	µg/L	EPA 525.2	0.039	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Molinate	n/a	=	95	%	EPA 525.2	-88	-88	82	117	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Molinate	n/a	=	4.67	µg/L	EPA 525.2	0.039	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Molinate	n/a	=	93	%	EPA 525.2	-88	-88	82	117	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Naled	n/a	=	0.0346	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Naled	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Naled	n/a	=	0.0319	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Naled	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Naled	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Naled	n/a	=	0.0441	µg/L	EPA 525.2m	0.0076	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Naled	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Naled	n/a	=	0.0444	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Naled	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Naled	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Naled	n/a	=	0.0365	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Naled	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Naled	n/a	=	0.0166	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Naled	n/a	=	33	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	4.06	µg/L	EPA 515.3	0.04	0.2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	4.07	µg/L	EPA 515.3	0.04	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	4.05	µg/L	EPA 515.3	0.04	0.2			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	4.09	µg/L	EPA 515.3	0.04	0.2			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/28/2016	Pesticide	Pentachlorophenol	n/a	=	20.9	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/28/2016	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 625	-88	-88	14	176	
2016/17-3	Lab	LCS dup	12/28/2016	Pesticide	Pentachlorophenol	n/a	=	25	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Pesticide	Pentachlorophenol	n/a	=	100	%	EPA 625	-88	-88	14	176	
2016/17-3	Lab	LCS, RPD	12/28/2016	Pesticide	Pentachlorophenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 625	-88	-88	14	176	
2016/17-3	Lab	LCS dup	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	20.5	µg/L	EPA 625	0.19	1			
2016/17-3	Lab	LCS dup, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	82	%	EPA 625	-88	-88	14	176	
2016/17-3	Lab	LCS, RPD	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	3.97	µg/L	EPA 515.3	0.04	0.2			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	method blank	1/10/2017	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-3	Lab	LCS	1/10/2017	Pesticide	Pentachlorophenol	n/a	=	9.54	µg/L	EPA 8270C	0.15	1			
2016/17-3	Lab	LCS, rec	1/10/2017	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 8270C	-88	-88	29	106	
2016/17-3	Lab	LCS dup	1/10/2017	Pesticide	Pentachlorophenol	n/a	=	9.5	µg/L	EPA 8270C	0.15	1			
2016/17-3	Lab	LCS dup, rec	1/10/2017	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 8270C	-88	-88	29	106	
2016/17-3	Lab	LCS, RPD	1/10/2017	Pesticide	Pentachlorophenol	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Phorate	n/a	=	0.052	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Phorate	n/a	=	104	%	EPA 525.2m	-88	-88	31	181	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Phorate	n/a	=	0.0518	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Phorate	n/a	=	104	%	EPA 525.2m	-88	-88	31	181	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Phorate	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Phorate	n/a	=	0.0566	µg/L	EPA 525.2m	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Phorate	n/a	=	113	%	EPA 525.2m	-88	-88	31	181	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Phorate	n/a	=	0.0609	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Phorate	n/a	=	122	%	EPA 525.2m	-88	-88	31	181	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Phorate	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Phorate	n/a	=	0.0488	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Phorate	n/a	=	98	%	EPA 525.2m	-88	-88	26	180	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Phorate	n/a	=	0.0562	µg/L	EPA 525.2m	0.003	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Phorate	n/a	=	112	%	EPA 525.2m	-88	-88	26	180	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Picloram	n/a	=	4.22	µg/L	EPA 515.3	0.05	0.6			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Picloram	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Picloram	n/a	=	4.15	µg/L	EPA 515.3	0.05	0.6			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Picloram	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Picloram	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Picloram	n/a	=	4.23	µg/L	EPA 515.3	0.05	0.6			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Picloram	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Picloram	n/a	=	4.28	µg/L	EPA 515.3	0.05	0.6			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Picloram	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Picloram	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Picloram	n/a	=	4.16	µg/L	EPA 515.3	0.05	0.6			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Picloram	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Prometon	n/a	=	1.6	µg/L	EPA 525.2	0.024	0.2			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Prometon	n/a	=	32	%	EPA 525.2	-88	-88	17	101	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Prometon	n/a	=	1.55	µg/L	EPA 525.2	0.024	0.2			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Prometon	n/a	=	31	%	EPA 525.2	-88	-88	17	101	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Prometon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Prometryn	n/a	=	3.34	µg/L	EPA 525.2	0.036	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Prometryn	n/a	=	67	%	EPA 525.2	-88	-88	57	122	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Prometryn	n/a	=	3.75	µg/L	EPA 525.2	0.036	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Prometryn	n/a	=	75	%	EPA 525.2	-88	-88	57	122	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Prometryn	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0523	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	105	%	EPA 525.2m	-88	-88	29	153	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0565	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	113	%	EPA 525.2m	-88	-88	29	153	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0609	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	122	%	EPA 525.2m	-88	-88	29	153	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0564	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	113	%	EPA 525.2m	-88	-88	29	153	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0533	µg/L	EPA 525.2m	0.0041	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	107	%	EPA 525.2m	-88	-88	34	154	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0571	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Ronnel (Fenchlorphos)	n/a	=	114	%	EPA 525.2m	-88	-88	34	154	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Simazine	n/a	=	4.4	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Simazine	n/a	=	88	%	EPA 525.2	-88	-88	53	116	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Simazine	n/a	=	4.11	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Simazine	n/a	=	82	%	EPA 525.2	-88	-88	53	116	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Simazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/28/2016	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS	12/28/2016	Pesticide	Simazine	n/a	=	4.16	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS, rec	12/28/2016	Pesticide	Simazine	n/a	=	83	%	EPA 525.2	-88	-88	53	116	
2016/17-3	Lab	LCS dup	12/28/2016	Pesticide	Simazine	n/a	=	5.07	µg/L	EPA 525.2	0.015	0.1			
2016/17-3	Lab	LCS dup, rec	12/28/2016	Pesticide	Simazine	n/a	=	101	%	EPA 525.2	-88	-88	53	116	
2016/17-3	Lab	LCS, RPD	12/28/2016	Pesticide	Simazine	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0473	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0482	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	96	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0621	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0595	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0471	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0391	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Terbacil	n/a	=	4.81	µg/L	EPA 525.2	0.55	2			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Terbacil	n/a	=	96	%	EPA 525.2	-88	-88	70	135	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Terbacil	n/a	=	5.17	µg/L	EPA 525.2	0.55	2			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Terbacil	n/a	=	103	%	EPA 525.2	-88	-88	70	135	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Terbacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Thiobencarb	n/a	=	4.34	µg/L	EPA 525.2	0.025	0.2			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Thiobencarb	n/a	=	87	%	EPA 525.2	-88	-88	56	125	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Thiobencarb	n/a	=	3.96	µg/L	EPA 525.2	0.025	0.2			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Thiobencarb	n/a	=	79	%	EPA 525.2	-88	-88	56	125	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Thiobencarb	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Tokuthion	n/a	=	0.0366	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Tokuthion	n/a	=	73	%	EPA 525.2m	-88	-88	27	160	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Tokuthion	n/a	=	0.0404	µg/L	EPA 525.2m	0.0078	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Tokuthion	n/a	=	81	%	EPA 525.2m	-88	-88	27	160	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Tokuthion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Tokuthion	n/a	=	0.0399	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Tokuthion	n/a	=	80	%	EPA 525.2m	-88	-88	27	160	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Tokuthion	n/a	=	0.0432	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Tokuthion	n/a	=	86	%	EPA 525.2m	-88	-88	27	160	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Tokuthion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Tokuthion	n/a	=	0.0416	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Tokuthion	n/a	=	83	%	EPA 525.2m	-88	-88	23	159	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Tokuthion	n/a	=	0.0451	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Tokuthion	n/a	=	90	%	EPA 525.2m	-88	-88	23	159	
2016/17-3	Lab	method blank	1/5/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-3	Lab	method blank	1/6/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-3	000NONPJ	matrix spike	12/22/2016	Pesticide	Trichloronate	n/a	=	0.0603	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/22/2016	Pesticide	Trichloronate	n/a	=	121	%	EPA 525.2m	-88	-88	40	150	
2016/17-3	000NONPJ	matrix spike dup	12/22/2016	Pesticide	Trichloronate	n/a	=	0.0689	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/22/2016	Pesticide	Trichloronate	n/a	=	138	%	EPA 525.2m	-88	-88	40	150	
2016/17-3	000NONPJ	matrix spike, RPD	12/22/2016	Pesticide	Trichloronate	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	000NONPJ	matrix spike	12/30/2016	Pesticide	Trichloronate	n/a	=	0.0726	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike, rec	12/30/2016	Pesticide	Trichloronate	n/a	=	145	%	EPA 525.2m	-88	-88	40	150	
2016/17-3	000NONPJ	matrix spike dup	12/30/2016	Pesticide	Trichloronate	n/a	=	0.066	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	000NONPJ	matrix spike dup, rec	12/30/2016	Pesticide	Trichloronate	n/a	=	132	%	EPA 525.2m	-88	-88	40	150	
2016/17-3	000NONPJ	matrix spike, RPD	12/30/2016	Pesticide	Trichloronate	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2016/17-3	Lab	method blank	12/22/2016	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS	12/22/2016	Pesticide	Trichloronate	n/a	=	0.064	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS, rec	12/22/2016	Pesticide	Trichloronate	n/a	=	128	%	EPA 525.2m	-88	-88	34	153	
2016/17-3	Lab	method blank	12/30/2016	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS	12/30/2016	Pesticide	Trichloronate	n/a	=	0.0727	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-3	Lab	LCS, rec	12/30/2016	Pesticide	Trichloronate	n/a	=	145	%	EPA 525.2m	-88	-88	34	153	
2016/17-3	Lab	method blank	12/27/2016	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-3	Lab	LCS	12/27/2016	Pesticide	Trithion	n/a	=	4.75	µg/L	EPA 525.2	0.012	0.1			
2016/17-3	Lab	LCS, rec	12/27/2016	Pesticide	Trithion	n/a	=	95	%	EPA 525.2	-88	-88	60	124	
2016/17-3	Lab	LCS dup	12/27/2016	Pesticide	Trithion	n/a	=	4.6	µg/L	EPA 525.2	0.012	0.1			
2016/17-3	Lab	LCS dup, rec	12/27/2016	Pesticide	Trithion	n/a	=	92	%	EPA 525.2	-88	-88	60	124	
2016/17-3	Lab	LCS, RPD	12/27/2016	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/16/2017	Anion	Chloride	n/a	=	54.8	mg/L	EPA 300.0	1	5			
2016/17-4	000NONPJ	matrix spike	1/16/2017	Anion	Chloride	n/a	=	144	mg/L	EPA 300.0	1	5			
2016/17-4	000NONPJ	matrix spike dup	1/16/2017	Anion	Chloride	n/a	=	144	mg/L	EPA 300.0	1	5			
2016/17-4	000NONPJ	matrix spike dup	1/16/2017	Anion	Chloride	n/a	=	54.6	mg/L	EPA 300.0	1	5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/16/2017	Anion	Chloride	n/a	=	88	%	EPA 300.0	-88	-88	76	118	
2016/17-4	000NONPJ	matrix spike dup, rec	1/16/2017	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2016/17-4	000NONPJ	matrix spike, rec	1/16/2017	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2016/17-4	000NONPJ	matrix spike, rec	1/16/2017	Anion	Chloride	n/a	=	87	%	EPA 300.0	-88	-88	76	118	
2016/17-4	000NONPJ	matrix spike, RPD	1/16/2017	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike, RPD	1/16/2017	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/16/2017	Anion	Chloride	n/a	=	4.83	mg/L	EPA 300.0	0.1	0.5			
2016/17-4	Lab	LCS, rec	1/16/2017	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	90	110	
2016/17-4	Lab	method blank	1/16/2017	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-4	000NONPJ	matrix spike	1/16/2017	Anion	Fluoride	n/a	=	11.2	mg/L	EPA 300.0	0.2	1			
2016/17-4	000NONPJ	matrix spike	1/16/2017	Anion	Fluoride	n/a	=	10.6	mg/L	EPA 300.0	0.2	1			
2016/17-4	000NONPJ	matrix spike dup	1/16/2017	Anion	Fluoride	n/a	=	11.2	mg/L	EPA 300.0	0.2	1			
2016/17-4	000NONPJ	matrix spike dup	1/16/2017	Anion	Fluoride	n/a	=	10.4	mg/L	EPA 300.0	0.2	1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/16/2017	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2016/17-4	000NONPJ	matrix spike dup, rec	1/16/2017	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2016/17-4	000NONPJ	matrix spike, rec	1/16/2017	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2016/17-4	000NONPJ	matrix spike, rec	1/16/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	86	107	
2016/17-4	000NONPJ	matrix spike, RPD	1/16/2017	Anion	Fluoride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike, RPD	1/16/2017	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2016/17-4	Lab	LCS	1/16/2017	Anion	Fluoride	n/a	=	1.03	mg/L	EPA 300.0	0.02	0.1			
2016/17-4	Lab	LCS, rec	1/16/2017	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	90	110	
2016/17-4	Lab	method blank	1/16/2017	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-4	000NONPJ	matrix spike	1/26/2017	Anion	Perchlorate	n/a	=	12.9	µg/L	EPA 314.0	0.95	2			
2016/17-4	000NONPJ	matrix spike dup	1/26/2017	Anion	Perchlorate	n/a	=	13.1	µg/L	EPA 314.0	0.95	2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/26/2017	Anion	Perchlorate	n/a	=	105	%	EPA 314.0	-88	-88	80	120	
2016/17-4	000NONPJ	matrix spike, rec	1/26/2017	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	80	120	
2016/17-4	000NONPJ	matrix spike, RPD	1/26/2017	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2016/17-4	Lab	LCS	1/26/2017	Anion	Perchlorate	n/a	=	10.4	µg/L	EPA 314.0	0.95	2			
2016/17-4	Lab	LCS, rec	1/26/2017	Anion	Perchlorate	n/a	=	104	%	EPA 314.0	-88	-88	85	115	
2016/17-4	Lab	method blank	1/26/2017	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-4	000NONPJ	matrix spike	1/16/2017	Anion	Sulfate	Total	=	50	mg/L	EPA 300.0	1	5			
2016/17-4	000NONPJ	matrix spike	1/16/2017	Anion	Sulfate	Total	=	290	mg/L	EPA 300.0	1	5			GB
2016/17-4	000NONPJ	matrix spike dup	1/16/2017	Anion	Sulfate	Total	=	50	mg/L	EPA 300.0	1	5			
2016/17-4	000NONPJ	matrix spike dup	1/16/2017	Anion	Sulfate	Total	=	290	mg/L	EPA 300.0	1	5			GB
2016/17-4	000NONPJ	matrix spike dup, rec	1/16/2017	Anion	Sulfate	Total	=	89	%	EPA 300.0	-88	-88	78	111	
2016/17-4	000NONPJ	matrix spike dup, rec	1/16/2017	Anion	Sulfate	Total	=	72	%	EPA 300.0	-88	-88	78	111	GB
2016/17-4	000NONPJ	matrix spike, rec	1/16/2017	Anion	Sulfate	Total	=	71	%	EPA 300.0	-88	-88	78	111	GB
2016/17-4	000NONPJ	matrix spike, rec	1/16/2017	Anion	Sulfate	Total	=	89	%	EPA 300.0	-88	-88	78	111	
2016/17-4	000NONPJ	matrix spike, RPD	1/16/2017	Anion	Sulfate	Total	=	0.06	%	EPA 300.0	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike, RPD	1/16/2017	Anion	Sulfate	Total	=	0.1	%	EPA 300.0	-88	-88	0	20	GB
2016/17-4	Lab	LCS	1/16/2017	Anion	Sulfate	Total	=	4.79	mg/L	EPA 300.0	0.1	0.5			
2016/17-4	Lab	LCS, rec	1/16/2017	Anion	Sulfate	Total	=	97	%	EPA 300.0	-88	-88	90	110	
2016/17-4	Lab	method blank	1/16/2017	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Calcium	Total	=	49.3	mg/L	EPA 200.7	0.016	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Calcium	Total	=	49.6	mg/L	EPA 200.7	0.016	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Calcium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Calcium	Total	=	51.9	mg/L	EPA 200.7	0.016	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Calcium	Total	=	51.5	mg/L	EPA 200.7	0.016	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Calcium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/20/2017	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-4	Lab	LCS	1/20/2017	Cation	Calcium	Total	=	46.8	mg/L	EPA 200.7	0.016	0.1			
2016/17-4	Lab	LCS, rec	1/20/2017	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Magnesium	Total	=	50.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Magnesium	Total	=	50.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Magnesium	Total	=	0.007	%	EPA 200.7	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Magnesium	Total	=	51.1	mg/L	EPA 200.7	0.012	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Magnesium	Total	=	50.8	mg/L	EPA 200.7	0.012	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Magnesium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2016/17-4	Lab	method blank	1/20/2017	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-4	Lab	LCS	1/20/2017	Cation	Magnesium	Total	=	49.3	mg/L	EPA 200.7	0.012	0.1			
2016/17-4	Lab	LCS, rec	1/20/2017	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Potassium	Total	=	49.7	mg/L	EPA 200.7	0.081	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Potassium	Total	=	49.7	mg/L	EPA 200.7	0.081	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Potassium	Total	=	0.02	%	EPA 200.7	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Potassium	Total	=	50	mg/L	EPA 200.7	0.081	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Potassium	Total	=	49.8	mg/L	EPA 200.7	0.081	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Potassium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2016/17-4	Lab	method blank	1/20/2017	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-4	Lab	LCS	1/20/2017	Cation	Potassium	Total	=	49.5	mg/L	EPA 200.7	0.081	0.1			
2016/17-4	Lab	LCS, rec	1/20/2017	Cation	Potassium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Sodium	Total	=	48	mg/L	EPA 200.7	0.015	0.5			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Sodium	Total	=	47.9	mg/L	EPA 200.7	0.015	0.5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Sodium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Cation	Sodium	Total	=	50.7	mg/L	EPA 200.7	0.015	0.5			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Cation	Sodium	Total	=	50.3	mg/L	EPA 200.7	0.015	0.5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Cation	Sodium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2016/17-4	Lab	method blank	1/20/2017	Cation	Sodium	Total	DNQ	0.0461	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-4	Lab	LCS	1/20/2017	Cation	Sodium	Total	=	48	mg/L	EPA 200.7	0.015	0.5			
2016/17-4	Lab	LCS, rec	1/20/2017	Cation	Sodium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2016/17-4	000NONPJ	lab duplicate	1/7/2017	Conventional	Alkalinity as CaCO3	n/a	=	73.7	mg/L	SM 2320 B	0.56	10		15	
2016/17-4	Lab	LCS	1/7/2017	Conventional	Alkalinity as CaCO3	n/a	=	245	mg/L	SM 2320 B	0.56	10			
2016/17-4	Lab	LCS, rec	1/7/2017	Conventional	Alkalinity as CaCO3	n/a	=	98	%	SM 2320 B	-88	-88	94	108	
2016/17-4	Lab	method blank	1/7/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.42	mg/L	SM 2320 B	0.56	10			IP
2016/17-4	000NONPJ	lab duplicate	1/11/2017	Conventional	BOD	n/a	=	2.54	mg/L	SM 5210 B	2	2		20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/11/2017	Conventional	BOD	n/a	=	174	mg/L	SM 5210 B	2	2			
2016/17-4	Lab	LCS, rec	1/11/2017	Conventional	BOD	n/a	=	88	%	SM 5210 B	-88	-88	85	115	
2016/17-4	000NONPJ	lab duplicate	1/13/2017	Conventional	COD	n/a	=	1030	mg/L	EPA 410.4	1.5	10		15	
2016/17-4	000NONPJ	matrix spike	1/13/2017	Conventional	COD	n/a	=	247	mg/L	EPA 410.4	1.5	10			
2016/17-4	000NONPJ	matrix spike	1/13/2017	Conventional	COD	n/a	=	227	mg/L	EPA 410.4	1.5	10			
2016/17-4	000NONPJ	matrix spike dup	1/13/2017	Conventional	COD	n/a	=	222	mg/L	EPA 410.4	1.5	10			
2016/17-4	000NONPJ	matrix spike dup	1/13/2017	Conventional	COD	n/a	=	234	mg/L	EPA 410.4	1.5	10			
2016/17-4	000NONPJ	matrix spike dup, rec	1/13/2017	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup, rec	1/13/2017	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, rec	1/13/2017	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, rec	1/13/2017	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/13/2017	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2016/17-4	000NONPJ	matrix spike, RPD	1/13/2017	Conventional	COD	n/a	=	6	%	EPA 410.4	-88	-88	0	15	
2016/17-4	Lab	LCS	1/13/2017	Conventional	COD	n/a	=	99.7	mg/L	EPA 410.4	0.73	5			
2016/17-4	Lab	LCS, rec	1/13/2017	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-4	Lab	method blank	1/13/2017	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2016/17-4	000NONPJ	matrix spike	1/17/2017	Conventional	Cyanide	Total	=	0.0517	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	000NONPJ	matrix spike	1/17/2017	Conventional	Cyanide	Total	=	0.0502	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	000NONPJ	matrix spike dup	1/17/2017	Conventional	Cyanide	Total	=	0.0519	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	000NONPJ	matrix spike dup	1/17/2017	Conventional	Cyanide	Total	=	0.0518	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	000NONPJ	matrix spike dup, rec	1/17/2017	Conventional	Cyanide	Total	=	104	%	ASTM D7511	-88	-88	64	136	
2016/17-4	000NONPJ	matrix spike dup, rec	1/17/2017	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	64	136	
2016/17-4	000NONPJ	matrix spike, rec	1/17/2017	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2016/17-4	000NONPJ	matrix spike, rec	1/17/2017	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2016/17-4	000NONPJ	matrix spike, RPD	1/17/2017	Conventional	Cyanide	Total	=	0.2	%	ASTM D7511	-88	-88	0	47	
2016/17-4	000NONPJ	matrix spike, RPD	1/17/2017	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2016/17-4	Lab	LCS	1/17/2017	Conventional	Cyanide	Total	=	0.05	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	Lab	LCS dup	1/17/2017	Conventional	Cyanide	Total	=	0.0508	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	Lab	LCS dup, rec	1/17/2017	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	84	116	
2016/17-4	Lab	LCS, rec	1/17/2017	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	84	116	
2016/17-4	Lab	LCS, RPD	1/17/2017	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	12	
2016/17-4	Lab	method blank	1/17/2017	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-4	Lab	LCS	1/17/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.2	mg/L	SM 5310 C	0.5	0.5			
2016/17-4	Lab	LCS dup	1/17/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.52	mg/L	SM 5310 C	0.5	0.5			
2016/17-4	Lab	LCS dup, rec	1/17/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	110	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	LCS, rec	1/17/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	104	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	LCS, RPD	1/17/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	6	%	SM 5310 C	-88	-88	0	20	
2016/17-4	Lab	method blank	1/17/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-4	Lab	LCS	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	5.13	mg/L	SM 5310 C	0.013	0.3			
2016/17-4	Lab	LCS	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	10.3	mg/L	SM 5310 C	0.013	0.3			
2016/17-4	Lab	LCS dup	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	10.5	mg/L	SM 5310 C	0.013	0.3			
2016/17-4	Lab	LCS dup, rec	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	105	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	LCS, rec	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	103	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	LCS, rec	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	103	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	LCS, RPD	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	2	%	SM 5310 C	-88	-88	0	20	
2016/17-4	Lab	method blank	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0697	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-4	Lab	method blank	1/16/2017	Conventional	Dissolved Organic Carbon	Dissolved	<	0.013	mg/L	SM 5310 C	0.013	0.3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	000NONPJ	lab duplicate	1/6/2017	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05		20	
2016/17-4	000NONPJ	matrix spike	1/6/2017	Conventional	MBAS	n/a	=	0.452	mg/L	SM 5540 C	0.038	0.1			
2016/17-4	000NONPJ	matrix spike dup	1/6/2017	Conventional	MBAS	n/a	=	0.442	mg/L	SM 5540 C	0.038	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/6/2017	Conventional	MBAS	n/a	=	91	%	SM 5540 C	-88	-88	74	123	
2016/17-4	000NONPJ	matrix spike, rec	1/6/2017	Conventional	MBAS	n/a	=	94	%	SM 5540 C	-88	-88	74	123	
2016/17-4	000NONPJ	matrix spike, RPD	1/6/2017	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2016/17-4	Lab	LCS	1/6/2017	Conventional	MBAS	n/a	=	0.202	mg/L	SM 5540 C	0.019	0.05			
2016/17-4	Lab	LCS, rec	1/6/2017	Conventional	MBAS	n/a	=	101	%	SM 5540 C	-88	-88	82	115	
2016/17-4	Lab	method blank	1/6/2017	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-4	000NONPJ	matrix spike	1/10/2017	Conventional	Phenolics	n/a	=	0.273	mg/L	EPA 420.4	0.0042	0.01			
2016/17-4	000NONPJ	matrix spike, rec	1/10/2017	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/10/2017	Conventional	Phenolics	n/a	=	0.276	mg/L	EPA 420.4	0.0042	0.01			
2016/17-4	000NONPJ	matrix spike dup, rec	1/10/2017	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/10/2017	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2016/17-4	Lab	method blank	1/10/2017	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-4	Lab	LCS	1/10/2017	Conventional	Phenolics	n/a	=	0.103	mg/L	EPA 420.4	0.0042	0.01			
2016/17-4	Lab	LCS, rec	1/10/2017	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2016/17-4	000NONPJ	lab duplicate	1/7/2017	Conventional	Specific Conductance	n/a	=	89.2	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-4	Lab	LCS	1/7/2017	Conventional	Specific Conductance	n/a	=	201	µmhos/cm	SM 2510 B	0.23	2			
2016/17-4	Lab	LCS, rec	1/7/2017	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2016/17-4	Lab	method blank	1/7/2017	Conventional	Specific Conductance	n/a	DNQ	0.29	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-4	000NONPJ	lab duplicate	1/8/2017	Conventional	Total Dissolved Solids	n/a	=	297	mg/L	SM 2540 C	4	10		10	
2016/17-4	000NONPJ	lab duplicate	1/8/2017	Conventional	Total Dissolved Solids	n/a	=	4830	mg/L	SM 2540 C	4	10		10	
2016/17-4	Lab	LCS	1/8/2017	Conventional	Total Dissolved Solids	n/a	=	833	mg/L	SM 2540 C	4	10			
2016/17-4	Lab	LCS, rec	1/8/2017	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2016/17-4	Lab	method blank	1/8/2017	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-4	000NONPJ	matrix spike	1/9/2017	Conventional	Total Organic Carbon	n/a	=	5.06	mg/L	SM 5310 C	0.009	0.3			
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Conventional	Total Organic Carbon	n/a	=	5.39	mg/L	SM 5310 C	0.009	0.3			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 C	-88	-88	80	116	
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	80	116	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Conventional	Total Organic Carbon	n/a	=	6	%	SM 5310 C	-88	-88	0	20	
2016/17-4	Lab	LCS	1/9/2017	Conventional	Total Organic Carbon	n/a	=	10.4	mg/L	SM 5310 C	0.009	0.3			
2016/17-4	Lab	LCS	1/9/2017	Conventional	Total Organic Carbon	n/a	=	5.12	mg/L	SM 5310 C	0.009	0.3			
2016/17-4	Lab	LCS, rec	1/9/2017	Conventional	Total Organic Carbon	n/a	=	102	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	LCS, rec	1/9/2017	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 C	-88	-88	85	115	
2016/17-4	Lab	method blank	1/9/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.0992	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-4	Lab	method blank	1/9/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.136	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-4	000NONPJ	lab duplicate	1/10/2017	Conventional	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5		20	
2016/17-4	Lab	LCS	1/10/2017	Conventional	Total Suspended Solids	n/a	=	262	mg/L	SM 2540 D	-88	5			
2016/17-4	Lab	LCS, rec	1/10/2017	Conventional	Total Suspended Solids	n/a	=	109	%	SM 2540 D	-88	-88	90	110	
2016/17-4	Lab	method blank	1/10/2017	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-4	ME-SCR	lab duplicate	1/10/2017	Conventional	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5		20	
2016/17-4	000NONPJ	lab duplicate	1/6/2017	Conventional	Turbidity	n/a	=	4.64	NTU	EPA 180.1	0.024	0.1		10	
2016/17-4	Lab	LCS	1/6/2017	Conventional	Turbidity	n/a	=	7.55	NTU	EPA 180.1	0.024	0.1			
2016/17-4	Lab	LCS, rec	1/6/2017	Conventional	Turbidity	n/a	=	103	%	EPA 180.1	-88	-88	90	110	
2016/17-4	Lab	method blank	1/6/2017	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-4	000NONPJ	lab duplicate	1/10/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/10/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-4	ME-SCR	lab duplicate	1/10/2017	Conventional	Volatile Suspended Solids	n/a	=	42	mg/L	EPA 160.4	3.1	5		15	
2016/17-4	Lab	method blank	1/24/2017	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0559	mg/L	EPA 8015D	0.024	0.1			IP
2016/17-4	Lab	LCS	1/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.518	mg/L	EPA 8015D	0.024	0.1			
2016/17-4	Lab	LCS, rec	1/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	104	%	EPA 8015D	-88	-88	56	136	
2016/17-4	Lab	LCS dup	1/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.524	mg/L	EPA 8015D	0.024	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	105	%	EPA 8015D	-88	-88	56	136	
2016/17-4	Lab	LCS, RPD	1/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	1	%	EPA 8015D	-88	-88	0	25	
2016/17-4	Lab	LCS	1/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	EPA 8015D	0.044	0.1			
2016/17-4	Lab	LCS, rec	1/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	EPA 8015D	-88	-88	75	123	
2016/17-4	Lab	LCS dup	1/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	0.949	mg/L	EPA 8015D	0.044	0.1			
2016/17-4	Lab	LCS dup, rec	1/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	95	%	EPA 8015D	-88	-88	75	123	
2016/17-4	Lab	LCS, RPD	1/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2016/17-4	Lab	method blank	1/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-4	Lab	srgt method blank	1/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015D	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2016/17-4	Lab	srgt LCS	1/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.291	mg/L	EPA 8015D	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.296	mg/L	EPA 8015D	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015D	-88	-88	64	155	
2016/17-4	ME-SCR	srgt environ	1/25/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.282	mg/L	EPA 8015D	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/25/2017	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015D	-88	-88	64	155	
2016/17-4	Lab	LCS	1/18/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.8	mg/L	EPA 1664A	1.3	5			
2016/17-4	Lab	LCS	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	18.6	mg/L	EPA 1664A	1.3	5			
2016/17-4	Lab	LCS dup	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	17.4	mg/L	EPA 1664A	1.3	5			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	
2016/17-4	Lab	LCS, rec	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	93	%	EPA 1664A	-88	-88	78	114	
2016/17-4	Lab	LCS, rec	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-4	Lab	LCS, RPD	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2016/17-4	Lab	method blank	1/18/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-4	ME-SCR	matrix spike	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	22.4	mg/L	EPA 1664A	1.3	5			
2016/17-4	ME-SCR	matrix spike, rec	1/18/2017	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2016/17-4	Lab	method blank	1/24/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-4	Lab	method blank	1/24/2017	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Aluminum	Dissolved	=	53.1	µg/L	EPA 200.8	1.3	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Aluminum	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/25/2017	Metal	Aluminum	Total	=	545	µg/L	EPA 200.8	13	50			GB
2016/17-4	000NONPJ	matrix spike, rec	1/25/2017	Metal	Aluminum	Total	=	138	%	EPA 200.8	-88	-88	70	130	GB
2016/17-4	000NONPJ	matrix spike dup	1/25/2017	Metal	Aluminum	Total	=	536	µg/L	EPA 200.8	13	50			
2016/17-4	000NONPJ	matrix spike dup, rec	1/25/2017	Metal	Aluminum	Total	=	121	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/25/2017	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Metal	Aluminum	Total	DNQ	1.33	µg/L	EPA 200.8	1.3	5			IP
2016/17-4	Lab	LCS	1/25/2017	Metal	Aluminum	Total	=	50.7	µg/L	EPA 200.8	1.3	5			
2016/17-4	Lab	LCS, rec	1/25/2017	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Antimony	Dissolved	=	51	µg/L	EPA 200.8	0.045	0.5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Antimony	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Antimony	Total	=	51.7	µg/L	EPA 200.8	0.045	0.5			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Antimony	Total	=	52.7	µg/L	EPA 200.8	0.045	0.5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Antimony	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Antimony	Total	=	51	µg/L	EPA 200.8	0.045	0.5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-4	Lab	LCS	1/24/2017	Metal	Arsenic	Dissolved	=	49.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Arsenic	Total	=	48.9	µg/L	EPA 200.8	0.074	0.4			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Arsenic	Total	=	49.5	µg/L	EPA 200.8	0.074	0.4			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-4	Lab	LCS	1/24/2017	Metal	Arsenic	Total	=	49.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Barium	Total	=	63.4	µg/L	EPA 200.8	0.071	0.5			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Barium	Total	=	63.3	µg/L	EPA 200.8	0.071	0.5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Barium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Barium	Total	=	50.1	µg/L	EPA 200.8	0.071	0.5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-4	Lab	LCS	1/24/2017	Metal	Beryllium	Dissolved	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Beryllium	Total	=	52.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Beryllium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Beryllium	Total	=	52.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Beryllium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Beryllium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-4	Lab	LCS	1/24/2017	Metal	Beryllium	Total	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-4	Lab	LCS	1/24/2017	Metal	Cadmium	Dissolved	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Cadmium	Total	=	48.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Cadmium	Total	=	49.4	µg/L	EPA 200.8	0.041	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/24/2017	Metal	Cadmium	Total	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Chromium	Dissolved	DNQ	0.0358	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-4	Lab	LCS	1/24/2017	Metal	Chromium	Dissolved	=	49.2	µg/L	EPA 200.8	0.035	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Chromium	Total	=	48.7	µg/L	EPA 200.8	0.035	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Chromium	Total	=	50	µg/L	EPA 200.8	0.035	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Chromium	Total	=	49.2	µg/L	EPA 200.8	0.035	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/19/2017	Metal	Chromium VI	n/a	=	5.31	µg/L	EPA 218.6	0.0048	0.02			
2016/17-4	000NONPJ	matrix spike dup	1/19/2017	Metal	Chromium VI	n/a	=	5.36	µg/L	EPA 218.6	0.0048	0.02			
2016/17-4	000NONPJ	matrix spike dup, rec	1/19/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2016/17-4	000NONPJ	matrix spike, rec	1/19/2017	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2016/17-4	000NONPJ	matrix spike, RPD	1/19/2017	Metal	Chromium VI	n/a	=	0.9	%	EPA 218.6	-88	-88	0	10	
2016/17-4	Lab	LCS	1/19/2017	Metal	Chromium VI	n/a	=	5.5	µg/L	EPA 218.6	0.0048	0.02			
2016/17-4	Lab	LCS, rec	1/19/2017	Metal	Chromium VI	n/a	=	110	%	EPA 218.6	-88	-88	90	110	
2016/17-4	Lab	method blank	1/19/2017	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-4	Lab	method blank	1/24/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Copper	Dissolved	=	52	µg/L	EPA 200.8	0.13	0.5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Copper	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Copper	Total	=	54	µg/L	EPA 200.8	0.13	0.5			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Copper	Total	=	55.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Copper	Total	=	52	µg/L	EPA 200.8	0.13	0.5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Copper	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/20/2017	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-4	Lab	LCS	1/20/2017	Metal	Iron	Dissolved	=	186	µg/L	EPA 200.7	1.1	10			
2016/17-4	Lab	LCS, rec	1/20/2017	Metal	Iron	Dissolved	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Metal	Iron	Total	=	1130	µg/L	EPA 200.7	1.1	10			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Metal	Iron	Total	=	116	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Metal	Iron	Total	=	1120	µg/L	EPA 200.7	1.1	10			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Metal	Iron	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Metal	Iron	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/20/2017	Metal	Iron	Total	=	1900	µg/L	EPA 200.7	1.1	10			
2016/17-4	000NONPJ	matrix spike, rec	1/20/2017	Metal	Iron	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/20/2017	Metal	Iron	Total	=	1900	µg/L	EPA 200.7	1.1	10			
2016/17-4	000NONPJ	matrix spike dup, rec	1/20/2017	Metal	Iron	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/20/2017	Metal	Iron	Total	=	0.06	%	EPA 200.7	-88	-88	0	30	
2016/17-4	Lab	method blank	1/20/2017	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-4	Lab	LCS	1/20/2017	Metal	Iron	Total	=	186	µg/L	EPA 200.7	1.1	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, rec	1/20/2017	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Lead	Dissolved	=	49	µg/L	EPA 200.8	0.031	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Lead	Total	=	50.8	µg/L	EPA 200.8	0.031	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Lead	Total	=	50.9	µg/L	EPA 200.8	0.031	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Lead	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Lead	Total	=	49	µg/L	EPA 200.8	0.031	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/18/2017	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike, rec	1/18/2017	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/18/2017	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike dup, rec	1/18/2017	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/18/2017	Metal	Mercury	Dissolved	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike	1/18/2017	Metal	Mercury	Dissolved	=	1110	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike, rec	1/18/2017	Metal	Mercury	Dissolved	=	111	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/18/2017	Metal	Mercury	Dissolved	=	1100	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike dup, rec	1/18/2017	Metal	Mercury	Dissolved	=	110	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/18/2017	Metal	Mercury	Dissolved	=	0.9	%	EPA 245.1	-88	-88	0	20	
2016/17-4	Lab	method blank	1/18/2017	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-4	Lab	LCS	1/18/2017	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2016/17-4	Lab	LCS, rec	1/18/2017	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/18/2017	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike, rec	1/18/2017	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/18/2017	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike dup, rec	1/18/2017	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/18/2017	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike	1/18/2017	Metal	Mercury	Total	=	1110	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike, rec	1/18/2017	Metal	Mercury	Total	=	111	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/18/2017	Metal	Mercury	Total	=	1100	ng/L	EPA 245.1	17	50			
2016/17-4	000NONPJ	matrix spike dup, rec	1/18/2017	Metal	Mercury	Total	=	110	%	EPA 245.1	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/18/2017	Metal	Mercury	Total	=	0.9	%	EPA 245.1	-88	-88	0	20	
2016/17-4	Lab	method blank	1/18/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-4	Lab	LCS	1/18/2017	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2016/17-4	Lab	LCS, rec	1/18/2017	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-4	Lab	LCS	1/24/2017	Metal	Nickel	Dissolved	=	49.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Nickel	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Nickel	Total	=	50.5	µg/L	EPA 200.8	0.045	0.8			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Nickel	Total	=	51.1	µg/L	EPA 200.8	0.045	0.8			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/24/2017	Metal	Nickel	Total	=	49.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-4	Lab	LCS	1/24/2017	Metal	Selenium	Dissolved	=	47.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Selenium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Selenium	Total	=	42.8	µg/L	EPA 200.8	0.14	0.4			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Selenium	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Selenium	Total	=	45	µg/L	EPA 200.8	0.14	0.4			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Selenium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Selenium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-4	Lab	LCS	1/24/2017	Metal	Selenium	Total	=	47.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Silver	Dissolved	=	47.5	µg/L	EPA 200.8	0.062	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Silver	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Silver	Total	=	47.4	µg/L	EPA 200.8	0.062	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Silver	Total	=	48.2	µg/L	EPA 200.8	0.062	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Silver	Total	=	47.5	µg/L	EPA 200.8	0.062	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Thallium	Dissolved	=	50.7	µg/L	EPA 200.8	0.014	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Thallium	Total	=	50.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Thallium	Total	=	51.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-4	Lab	LCS	1/24/2017	Metal	Thallium	Total	=	50.7	µg/L	EPA 200.8	0.014	0.2			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-4	Lab	method blank	1/24/2017	Metal	Zinc	Dissolved	DNQ	0.946	µg/L	EPA 200.8	0.94	5			IP
2016/17-4	Lab	LCS	1/24/2017	Metal	Zinc	Dissolved	=	51.6	µg/L	EPA 200.8	0.94	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Zinc	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	matrix spike	1/24/2017	Metal	Zinc	Total	=	65.1	µg/L	EPA 200.8	0.94	5			
2016/17-4	000NONPJ	matrix spike, rec	1/24/2017	Metal	Zinc	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/24/2017	Metal	Zinc	Total	=	66.1	µg/L	EPA 200.8	0.94	5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/24/2017	Metal	Zinc	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/24/2017	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-4	Lab	LCS	1/24/2017	Metal	Zinc	Total	=	51.6	µg/L	EPA 200.8	0.94	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-4	000NONPJ	lab duplicate	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.198	mg/L	EPA 350.1	0.048	0.1		15	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	000NONPJ	matrix spike	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.472	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	000NONPJ	matrix spike	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.301	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	000NONPJ	matrix spike dup	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.302	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	000NONPJ	matrix spike dup	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.471	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/17/2017	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup, rec	1/17/2017	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, rec	1/17/2017	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2016/17-4	000NONPJ	matrix spike, RPD	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.08	%	EPA 350.1	-88	-88	0	15	
2016/17-4	Lab	LCS	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.265	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	Lab	LCS	1/17/2017	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	Lab	LCS, rec	1/17/2017	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2016/17-4	Lab	LCS, rec	1/17/2017	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2016/17-4	Lab	method blank	1/17/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	Lab	method blank	1/17/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-4	000NONPJ	matrix spike	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	6.62	mg/L	EPA 353.2	0.041	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	6.52	mg/L	EPA 353.2	0.041	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.08	mg/L	EPA 353.2	0.041	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.09	mg/L	EPA 353.2	0.041	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2016/17-4	Lab	method blank	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-4	Lab	LCS	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.968	mg/L	EPA 353.2	0.041	0.1			
2016/17-4	Lab	LCS, rec	1/6/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.113	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.111	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	2	%	EPA 365.1	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.244	mg/L	EPA 365.1	0.0028	0.02			
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.242	mg/L	EPA 365.1	0.0028	0.02			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.8	%	EPA 365.1	-88	-88	0	20	
2016/17-4	000NONPJ	lab duplicate	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0986	mg/L	EPA 365.1	0.0014	0.01		20	
2016/17-4	Lab	method blank	1/9/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	Lab	LCS	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0522	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	Lab	LCS, rec	1/9/2017	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike	1/9/2017	Nutrient	Phosphorus as P	Total	=	0.167	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Nutrient	Phosphorus as P	Total	=	0.161	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Nutrient	Phosphorus as P	Total	=	94	%	EPA 365.1	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Nutrient	Phosphorus as P	Total	=	4	%	EPA 365.1	-88	-88	0	20	
2016/17-4	000NONPJ	matrix spike	1/9/2017	Nutrient	Phosphorus as P	Total	=	0.296	mg/L	EPA 365.1	0.0028	0.02			
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Nutrient	Phosphorus as P	Total	=	0.296	mg/L	EPA 365.1	0.0028	0.02			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Nutrient	Phosphorus as P	Total	=	0	%	EPA 365.1	-88	-88	0	20	
2016/17-4	000NONPJ	lab duplicate	1/9/2017	Nutrient	Phosphorus as P	Total	=	0.143	mg/L	EPA 365.1	0.0014	0.01		20	
2016/17-4	Lab	method blank	1/9/2017	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	Lab	LCS	1/9/2017	Nutrient	Phosphorus as P	Total	=	0.0549	mg/L	EPA 365.1	0.0014	0.01			
2016/17-4	Lab	LCS, rec	1/9/2017	Nutrient	Phosphorus as P	Total	=	110	%	EPA 365.1	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Nutrient	TKN	n/a	=	1.19	mg/L	EPA 351.2	0.05	0.1			
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2016/17-4	Lab	LCS	1/11/2017	Nutrient	TKN	n/a	=	0.931	mg/L	EPA 351.2	0.05	0.1			
2016/17-4	Lab	LCS, rec	1/11/2017	Nutrient	TKN	n/a	=	93	%	EPA 351.2	-88	-88	90	110	
2016/17-4	Lab	method blank	1/11/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-4	Lab	method blank	1/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	19.2	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	44	142	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	44	142	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	20.4	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	82	%	EPA 625	-88	-88	44	142	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	20.7	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	44	142	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.57	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	32	129	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.57	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	32	129	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	1,2-Dichlorobenzene	n/a	=	19.2	µg/L	EPA 625	0.57	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	1,2-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	32	129	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	1,2-Dichlorobenzene	n/a	=	19.3	µg/L	EPA 625	0.57	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	1,2-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	32	129	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	1,2-Dichlorobenzene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-4	000NONPJ	srgt matrix spike	1/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike, rec	1/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-4	000NONPJ	srgt matrix spike dup	1/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike dup, rec	1/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-4	Lab	srgt LCS	1/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50.2	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	srgt LCS, rec	1/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-4	Lab	srgt LCS dup	1/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-4	Lab	srgt method blank	1/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-4	ME-SCR	srgt environ	1/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-4	Lab	method blank	1/13/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	method blank	1/24/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	method blank	1/13/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.53	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	172	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.53	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	0.1	172	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	1,3-Dichlorobenzene	n/a	=	18.6	µg/L	EPA 625	0.53	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	1,3-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	172	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	1,3-Dichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.53	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	1,3-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	172	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	1,3-Dichlorobenzene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	srgt method blank	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.407	µg/L	EPA 525.2m	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2m	-88	-88	76	128	
2016/17-4	Lab	srgt LCS	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.416	µg/L	EPA 525.2m	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2016/17-4	Lab	srgt method blank	1/23/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.54	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/23/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	73	138	
2016/17-4	Lab	srgt LCS	1/23/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.15	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/23/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2	-88	-88	73	138	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.32	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2	-88	-88	73	138	
2016/17-4	Lab	srgt method blank	1/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.63	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	73	138	
2016/17-4	Lab	srgt LCS	1/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.34	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2	-88	-88	73	138	
2016/17-4	Lab	srgt LCS dup	1/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.44	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2	-88	-88	73	138	
2016/17-4	ME-SCR	srgt matrix spike	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.533	µg/L	EPA 525.2m	-88	-88			
2016/17-4	ME-SCR	srgt matrix spike, rec	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2016/17-4	ME-SCR	srgt matrix spike dup	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.519	µg/L	EPA 525.2m	-88	-88			
2016/17-4	ME-SCR	srgt matrix spike dup, rec	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2016/17-4	ME-SCR	srgt environ	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.448	µg/L	EPA 525.2m	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/19/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2016/17-4	ME-SCR	srgt environ	1/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.27	µg/L	EPA 525.2	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2016/17-4	Lab	method blank	1/13/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.55	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	20	124	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	20	124	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	1,4-Dichlorobenzene	n/a	=	19.5	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	1,4-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	20	124	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	1,4-Dichlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.55	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	1,4-Dichlorobenzene	n/a	=	80	%	EPA 625	-88	-88	20	124	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	1,4-Dichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	method blank	1/19/2017	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2016/17-4	Lab	srgt method blank	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	37.9	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2016/17-4	Lab	srgt LCS	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	38.8	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 625	-88	-88	25	102	
2016/17-4	Lab	srgt LCS dup	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.6	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2016/17-4	Lab	srgt method blank	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.22	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 8270C	-88	-88	26	117	
2016/17-4	Lab	srgt LCS	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.57	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 8270C	-88	-88	26	117	
2016/17-4	Lab	srgt LCS dup	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.72	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2016/17-4	Lab	srgt method blank	1/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	42.1	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2016/17-4	Lab	srgt LCS	1/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	43.9	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	42.2	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2016/17-4	ME-SCR	srgt environ	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	25.9	µg/L	EPA 625	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	52	%	EPA 625	-88	-88	25	102	
2016/17-4	ME-SCR	srgt environ	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.79	µg/L	EPA 8270C	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/19/2017	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 8270C	-88	-88	26	117	
2016/17-4	Lab	method blank	1/13/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	88	%	EPA 625	-88	-88	37	144	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	21.5	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	86	%	EPA 625	-88	-88	37	144	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	2,4,6-Trichlorophenol	n/a	=	8.91	µg/L	EPA 8270C	0.3	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	2,4,6-Trichlorophenol	n/a	=	89	%	EPA 8270C	-88	-88	30	115	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	2,4,6-Trichlorophenol	n/a	=	8.74	µg/L	EPA 8270C	0.3	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	2,4,6-Trichlorophenol	n/a	=	87	%	EPA 8270C	-88	-88	30	115	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/24/2017	Organic	2,4,6-Trichlorophenol	n/a	=	23.4	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2,4,6-Trichlorophenol	n/a	=	94	%	EPA 625	-88	-88	37	144	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2,4,6-Trichlorophenol	n/a	=	23.5	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2,4,6-Trichlorophenol	n/a	=	94	%	EPA 625	-88	-88	37	144	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2,4,6-Trichlorophenol	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2,4-Dichlorophenol	n/a	=	20.4	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2,4-Dichlorophenol	n/a	=	82	%	EPA 625	-88	-88	39	135	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2,4-Dichlorophenol	n/a	=	20.3	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2,4-Dichlorophenol	n/a	=	81	%	EPA 625	-88	-88	39	135	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2,4-Dichlorophenol	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	2,4-Dichlorophenol	n/a	=	8.48	µg/L	EPA 8270C	0.51	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	32	105	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	2,4-Dichlorophenol	n/a	=	8.27	µg/L	EPA 8270C	0.51	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	2,4-Dichlorophenol	n/a	=	83	%	EPA 8270C	-88	-88	32	105	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2,4-Dichlorophenol	n/a	=	22.6	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2,4-Dichlorophenol	n/a	=	91	%	EPA 625	-88	-88	39	135	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2,4-Dichlorophenol	n/a	=	22.9	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2,4-Dichlorophenol	n/a	=	91	%	EPA 625	-88	-88	39	135	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2,4-Dichlorophenol	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2016/17-4	000NONPJ	srgt matrix spike	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike, rec	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	srgt matrix spike dup	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike dup, rec	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	srgt method blank	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.53	µg/L	EPA 515.3	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	srgt LCS	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-4	ME-SCR	srgt environ	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.83	µg/L	EPA 515.3	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/11/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/13/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2,4-Dimethylphenol	n/a	=	16.2	µg/L	EPA 625	0.3	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2,4-Dimethylphenol	n/a	=	16.3	µg/L	EPA 625	0.3	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2,4-Dimethylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS	1/19/2017	Organic	2,4-Dimethylphenol	n/a	=	6.9	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	2,4-Dimethylphenol	n/a	=	69	%	EPA 8270C	-88	-88	31	97	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	2,4-Dimethylphenol	n/a	=	6.14	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	2,4-Dimethylphenol	n/a	=	61	%	EPA 8270C	-88	-88	31	97	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	2,4-Dimethylphenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2,4-Dimethylphenol	n/a	=	13.7	µg/L	EPA 625	0.3	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2,4-Dimethylphenol	n/a	=	55	%	EPA 625	-88	-88	32	119	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2,4-Dimethylphenol	n/a	=	15.2	µg/L	EPA 625	0.3	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2,4-Dimethylphenol	n/a	=	61	%	EPA 625	-88	-88	32	119	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2,4-Dimethylphenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-4	Lab	LCS	1/13/2017	Organic	2,4-Dinitrophenol	n/a	=	17.7	µg/L	EPA 625	1.6	10			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2,4-Dinitrophenol	n/a	=	71	%	EPA 625	-88	-88	0.1	191	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2,4-Dinitrophenol	n/a	=	15.1	µg/L	EPA 625	1.6	10			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2,4-Dinitrophenol	n/a	=	60	%	EPA 625	-88	-88	0.1	191	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2,4-Dinitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS	1/19/2017	Organic	2,4-Dinitrophenol	n/a	=	7.95	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	2,4-Dinitrophenol	n/a	=	80	%	EPA 8270C	-88	-88	7	155	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	2,4-Dinitrophenol	n/a	=	9.07	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	2,4-Dinitrophenol	n/a	=	91	%	EPA 8270C	-88	-88	7	155	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	2,4-Dinitrophenol	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-4	Lab	LCS	1/24/2017	Organic	2,4-Dinitrophenol	n/a	=	26.7	µg/L	EPA 625	1.6	10			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2,4-Dinitrophenol	n/a	=	107	%	EPA 625	-88	-88	0.1	191	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2,4-Dinitrophenol	n/a	=	23.8	µg/L	EPA 625	1.6	10			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2,4-Dinitrophenol	n/a	=	95	%	EPA 625	-88	-88	0.1	191	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2,4-Dinitrophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	20.2	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	81	%	EPA 625	-88	-88	39	139	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	19.2	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	77	%	EPA 625	-88	-88	39	139	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2,4-Dinitrotoluene	n/a	=	23.3	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2,4-Dinitrotoluene	n/a	=	93	%	EPA 625	-88	-88	39	139	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2,4-Dinitrotoluene	n/a	=	22.4	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2,4-Dinitrotoluene	n/a	=	90	%	EPA 625	-88	-88	39	139	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2,4-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	19.7	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	79	%	EPA 625	-88	-88	50	158	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	19	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	76	%	EPA 625	-88	-88	50	158	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2,6-Dinitrotoluene	n/a	=	24.8	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2,6-Dinitrotoluene	n/a	=	99	%	EPA 625	-88	-88	50	158	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2,6-Dinitrotoluene	n/a	=	24.2	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2,6-Dinitrotoluene	n/a	=	97	%	EPA 625	-88	-88	50	158	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2,6-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	000NONPJ	matrix spike, rec	1/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	0	%	EPA 624	-88	-88	0.1	305	GB
2016/17-4	000NONPJ	matrix spike dup	1/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			GB
2016/17-4	000NONPJ	matrix spike dup, rec	1/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	0	%	EPA 624	-88	-88	0.1	305	GB
2016/17-4	000NONPJ	matrix spike, RPD	1/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	0	%	EPA 624	-88	-88	0	25	GB
2016/17-4	Lab	LCS	1/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	47	µg/L	EPA 624	0.28	1			
2016/17-4	Lab	LCS, rec	1/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	94	%	EPA 624	-88	-88	0.1	305	
2016/17-4	Lab	LCS dup	1/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	46.8	µg/L	EPA 624	0.28	1			
2016/17-4	Lab	LCS dup, rec	1/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	94	%	EPA 624	-88	-88	0.1	305	
2016/17-4	Lab	LCS, RPD	1/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	0.5	%	EPA 624	-88	-88	0	25	
2016/17-4	Lab	method blank	1/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-4	Lab	method blank	1/13/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2-Chloronaphthalene	n/a	=	20.7	µg/L	EPA 625	0.45	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2-Chloronaphthalene	n/a	=	83	%	EPA 625	-88	-88	60	118	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2-Chloronaphthalene	n/a	=	20.9	µg/L	EPA 625	0.45	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2-Chloronaphthalene	n/a	=	84	%	EPA 625	-88	-88	60	118	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2-Chloronaphthalene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2-Chloronaphthalene	n/a	=	22.2	µg/L	EPA 625	0.45	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2-Chloronaphthalene	n/a	=	89	%	EPA 625	-88	-88	60	118	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2-Chloronaphthalene	n/a	=	22.9	µg/L	EPA 625	0.45	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2-Chloronaphthalene	n/a	=	92	%	EPA 625	-88	-88	60	118	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2-Chloronaphthalene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2-Chlorophenol	n/a	=	18.4	µg/L	EPA 625	0.28	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2-Chlorophenol	n/a	=	74	%	EPA 625	-88	-88	23	134	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2-Chlorophenol	n/a	=	18.9	µg/L	EPA 625	0.28	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2-Chlorophenol	n/a	=	76	%	EPA 625	-88	-88	23	134	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2-Chlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	2-Chlorophenol	n/a	=	7.89	µg/L	EPA 8270C	0.65	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	2-Chlorophenol	n/a	=	79	%	EPA 8270C	-88	-88	27	90	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	2-Chlorophenol	n/a	=	7.75	µg/L	EPA 8270C	0.65	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	2-Chlorophenol	n/a	=	78	%	EPA 8270C	-88	-88	27	90	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	2-Chlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2-Chlorophenol	n/a	=	18.4	µg/L	EPA 625	0.28	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	134	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2-Chlorophenol	n/a	=	18.7	µg/L	EPA 625	0.28	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2-Chlorophenol	n/a	=	75	%	EPA 625	-88	-88	23	134	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2-Chlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	srgt method blank	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2016/17-4	Lab	srgt LCS	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2016/17-4	Lab	srgt LCS dup	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2016/17-4	Lab	srgt method blank	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	4.1	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	srgt method blank, rec	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 8270C	-88	-88	51	139	
2016/17-4	Lab	srgt LCS	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	4.16	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270C	-88	-88	51	139	
2016/17-4	Lab	srgt LCS dup	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	3.94	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270C	-88	-88	51	139	
2016/17-4	Lab	srgt method blank	1/24/2017	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625	-88	-88	22	107	
2016/17-4	Lab	srgt LCS	1/24/2017	Organic	2-Fluorobiphenyl	n/a	=	20.6	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 625	-88	-88	22	107	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	2-Fluorobiphenyl	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 625	-88	-88	22	107	
2016/17-4	ME-SCR	srgt environ	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/13/2017	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 625	-88	-88	22	107	
2016/17-4	ME-SCR	srgt environ	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	3.9	µg/L	EPA 8270C	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/18/2017	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270C	-88	-88	51	139	
2016/17-4	Lab	srgt method blank	1/13/2017	Organic	2-Fluorophenol	n/a	=	26.5	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/13/2017	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	3	74	
2016/17-4	Lab	srgt LCS	1/13/2017	Organic	2-Fluorophenol	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/13/2017	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2016/17-4	Lab	srgt LCS dup	1/13/2017	Organic	2-Fluorophenol	n/a	=	24.5	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/13/2017	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2016/17-4	Lab	srgt method blank	1/19/2017	Organic	2-Fluorophenol	n/a	=	5.54	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	Organic	2-Fluorophenol	n/a	=	55	%	EPA 8270C	-88	-88	11	62	
2016/17-4	Lab	srgt LCS	1/19/2017	Organic	2-Fluorophenol	n/a	=	5.13	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	Organic	2-Fluorophenol	n/a	=	51	%	EPA 8270C	-88	-88	11	62	
2016/17-4	Lab	srgt LCS dup	1/19/2017	Organic	2-Fluorophenol	n/a	=	5.09	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/19/2017	Organic	2-Fluorophenol	n/a	=	51	%	EPA 8270C	-88	-88	11	62	
2016/17-4	Lab	srgt method blank	1/24/2017	Organic	2-Fluorophenol	n/a	=	25.6	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2016/17-4	Lab	srgt LCS	1/24/2017	Organic	2-Fluorophenol	n/a	=	22.8	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	2-Fluorophenol	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2016/17-4	ME-SCR	srgt environ	1/13/2017	Organic	2-Fluorophenol	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/13/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 625	-88	-88	3	74	
2016/17-4	ME-SCR	srgt environ	1/19/2017	Organic	2-Fluorophenol	n/a	=	4.54	µg/L	EPA 8270C	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/19/2017	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2016/17-4	Lab	method blank	1/18/2017	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	method blank	1/19/2017	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-4	Lab	method blank	1/13/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	2-Nitrophenol	n/a	=	20.5	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	2-Nitrophenol	n/a	=	82	%	EPA 625	-88	-88	29	182	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	2-Nitrophenol	n/a	=	21.1	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	2-Nitrophenol	n/a	=	84	%	EPA 625	-88	-88	29	182	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	2-Nitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	2-Nitrophenol	n/a	=	8.17	µg/L	EPA 8270C	0.71	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	2-Nitrophenol	n/a	=	82	%	EPA 8270C	-88	-88	33	103	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	2-Nitrophenol	n/a	=	8.01	µg/L	EPA 8270C	0.71	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	2-Nitrophenol	n/a	=	80	%	EPA 8270C	-88	-88	33	103	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	2-Nitrophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	2-Nitrophenol	n/a	=	21.4	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	2-Nitrophenol	n/a	=	86	%	EPA 625	-88	-88	29	182	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	2-Nitrophenol	n/a	=	21.6	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	2-Nitrophenol	n/a	=	86	%	EPA 625	-88	-88	29	182	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	2-Nitrophenol	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-4	Lab	LCS	1/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	19	µg/L	EPA 625	1.2	5			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	76	%	EPA 625	-88	-88	0.1	262	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	18.3	µg/L	EPA 625	1.2	5			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	73	%	EPA 625	-88	-88	0.1	262	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-4	Lab	LCS	1/24/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	25	µg/L	EPA 625	1.2	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	100	%	EPA 625	-88	-88	0.1	262	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	21.5	µg/L	EPA 625	1.2	5			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	86	%	EPA 625	-88	-88	0.1	262	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	15	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-4	Lab	method blank	1/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-4	Lab	LCS	1/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.5	µg/L	EPA 625	1.7	5			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	82	%	EPA 625	-88	-88	0.1	181	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	18.9	µg/L	EPA 625	1.7	5			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	75	%	EPA 625	-88	-88	0.1	181	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.74	µg/L	EPA 8270C	0.14	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	77	%	EPA 8270C	-88	-88	33	118	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.61	µg/L	EPA 8270C	0.14	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	86	%	EPA 8270C	-88	-88	33	118	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-4	Lab	LCS	1/24/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	28	µg/L	EPA 625	1.7	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	112	%	EPA 625	-88	-88	0.1	181	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.5	µg/L	EPA 625	1.7	5			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	106	%	EPA 625	-88	-88	0.1	181	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-4	000NONPJ	srgt matrix spike	1/10/2017	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike, rec	1/10/2017	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-4	000NONPJ	srgt matrix spike dup	1/10/2017	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike dup, rec	1/10/2017	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-4	Lab	srgt LCS	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015D	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015D	-88	-88	72	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	srgt LCS dup	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2016/17-4	Lab	srgt method blank	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015D	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015D	-88	-88	72	124	
2016/17-4	Lab	srgt LCS	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-4	Lab	srgt LCS dup	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-4	Lab	srgt method blank	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2016/17-4	ME-SCR	srgt environ	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015D	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/9/2017	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015D	-88	-88	72	124	
2016/17-4	ME-SCR	srgt environ	1/10/2017	Organic	4-Bromofluorobenzene	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/10/2017	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2016/17-4	Lab	method blank	1/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	17.6	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	70	%	EPA 625	-88	-88	53	127	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	17.2	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	69	%	EPA 625	-88	-88	53	127	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	19.5	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	78	%	EPA 625	-88	-88	53	127	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	19.2	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	53	127	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	21.2	µg/L	EPA 625	0.23	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	85	%	EPA 625	-88	-88	22	147	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	21	µg/L	EPA 625	0.23	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	84	%	EPA 625	-88	-88	22	147	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	4-Chloro-3-methylphenol	n/a	=	8.62	µg/L	EPA 8270C	0.37	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	4-Chloro-3-methylphenol	n/a	=	86	%	EPA 8270C	-88	-88	29	108	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	4-Chloro-3-methylphenol	n/a	=	8.47	µg/L	EPA 8270C	0.37	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	4-Chloro-3-methylphenol	n/a	=	85	%	EPA 8270C	-88	-88	29	108	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	4-Chloro-3-methylphenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	4-Chloro-3-methylphenol	n/a	=	23.3	µg/L	EPA 625	0.23	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	4-Chloro-3-methylphenol	n/a	=	93	%	EPA 625	-88	-88	22	147	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	4-Chloro-3-methylphenol	n/a	=	23.6	µg/L	EPA 625	0.23	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	4-Chloro-3-methylphenol	n/a	=	95	%	EPA 625	-88	-88	22	147	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	4-Chloro-3-methylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.9	µg/L	EPA 625	0.41	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	25	158	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.9	µg/L	EPA 625	0.41	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	25	158	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.3	µg/L	EPA 625	0.41	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625	-88	-88	25	158	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.5	µg/L	EPA 625	0.41	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	86	%	EPA 625	-88	-88	25	158	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-4	Lab	LCS	1/13/2017	Organic	4-Nitrophenol	n/a	=	8.21	µg/L	EPA 625	0.45	5			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	4-Nitrophenol	n/a	=	33	%	EPA 625	-88	-88	0.1	132	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	4-Nitrophenol	n/a	=	8.02	µg/L	EPA 625	0.45	5			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	4-Nitrophenol	n/a	=	32	%	EPA 625	-88	-88	0.1	132	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS	1/19/2017	Organic	4-Nitrophenol	n/a	=	3.14	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	4-Nitrophenol	n/a	=	31	%	EPA 8270C	-88	-88	6	46	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	4-Nitrophenol	n/a	=	3.54	µg/L	EPA 8270C	1	2			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	4-Nitrophenol	n/a	=	35	%	EPA 8270C	-88	-88	6	46	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	4-Nitrophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-4	Lab	LCS	1/24/2017	Organic	4-Nitrophenol	n/a	=	13	µg/L	EPA 625	0.45	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	4-Nitrophenol	n/a	=	52	%	EPA 625	-88	-88	0.1	132	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	4-Nitrophenol	n/a	=	12.8	µg/L	EPA 625	0.45	5			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	4-Nitrophenol	n/a	=	51	%	EPA 625	-88	-88	0.1	132	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Acenaphthene	n/a	=	19.8	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Acenaphthene	n/a	=	79	%	EPA 625	-88	-88	47	145	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Acenaphthene	n/a	=	20.3	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Acenaphthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Acenaphthene	n/a	=	8.74	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Acenaphthene	n/a	=	87	%	EPA 8270C	-88	-88	11	122	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Acenaphthene	n/a	=	8.46	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Acenaphthene	n/a	=	85	%	EPA 8270C	-88	-88	11	122	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Acenaphthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Acenaphthene	n/a	=	20.1	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Acenaphthene	n/a	=	80	%	EPA 625	-88	-88	47	145	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Acenaphthene	n/a	=	20.2	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Acenaphthene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Acenaphthylene	n/a	=	20.3	µg/L	EPA 625	0.4	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Acenaphthylene	n/a	=	81	%	EPA 625	-88	-88	33	145	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Acenaphthylene	n/a	=	20.5	µg/L	EPA 625	0.4	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Acenaphthylene	n/a	=	82	%	EPA 625	-88	-88	33	145	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Acenaphthylene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Acenaphthylene	n/a	=	9.09	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Acenaphthylene	n/a	=	91	%	EPA 8270C	-88	-88	4	135	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Acenaphthylene	n/a	=	8.72	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Acenaphthylene	n/a	=	87	%	EPA 8270C	-88	-88	4	135	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Acenaphthylene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Acenaphthylene	n/a	=	23	µg/L	EPA 625	0.4	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Acenaphthylene	n/a	=	92	%	EPA 625	-88	-88	33	145	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Acenaphthylene	n/a	=	23.4	µg/L	EPA 625	0.4	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Acenaphthylene	n/a	=	94	%	EPA 625	-88	-88	33	145	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Acenaphthylene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Anthracene	n/a	=	20.9	µg/L	EPA 625	0.34	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Anthracene	n/a	=	84	%	EPA 625	-88	-88	27	133	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Anthracene	n/a	=	20.4	µg/L	EPA 625	0.34	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Anthracene	n/a	=	82	%	EPA 625	-88	-88	27	133	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Anthracene	n/a	=	8.16	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Anthracene	n/a	=	82	%	EPA 8270C	-88	-88	22	127	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Anthracene	n/a	=	8	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Anthracene	n/a	=	80	%	EPA 8270C	-88	-88	22	127	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Anthracene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Anthracene	n/a	=	20.8	µg/L	EPA 625	0.34	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Anthracene	n/a	=	83	%	EPA 625	-88	-88	27	133	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Anthracene	n/a	=	20.7	µg/L	EPA 625	0.34	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Anthracene	n/a	=	83	%	EPA 625	-88	-88	27	133	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Anthracene	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Benz(a)anthracene	n/a	=	19.1	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Benz(a)anthracene	n/a	=	77	%	EPA 625	-88	-88	33	143	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Benz(a)anthracene	n/a	=	18.8	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Benz(a)anthracene	n/a	=	75	%	EPA 625	-88	-88	33	143	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Benz(a)anthracene	n/a	=	6.44	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Benz(a)anthracene	n/a	=	64	%	EPA 8270C	-88	-88	17	131	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Benz(a)anthracene	n/a	=	7.52	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Benz(a)anthracene	n/a	=	75	%	EPA 8270C	-88	-88	17	131	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Benz(a)anthracene	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/24/2017	Organic	Benz(a)anthracene	n/a	=	25.3	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Benz(a)anthracene	n/a	=	101	%	EPA 625	-88	-88	33	143	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Benz(a)anthracene	n/a	=	23.7	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Benz(a)anthracene	n/a	=	95	%	EPA 625	-88	-88	33	143	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Benz(a)anthracene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-4	Lab	method blank	1/24/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-4	Lab	method blank	1/13/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Benzo(a)pyrene	n/a	=	21	µg/L	EPA 625	0.13	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 625	-88	-88	17	163	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Benzo(a)pyrene	n/a	=	21.3	µg/L	EPA 625	0.13	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Benzo(a)pyrene	n/a	=	85	%	EPA 625	-88	-88	17	163	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Benzo(a)pyrene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Benzo(a)pyrene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Benzo(a)pyrene	n/a	=	106	%	EPA 8270C	-88	-88	12	131	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Benzo(a)pyrene	n/a	=	10.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Benzo(a)pyrene	n/a	=	107	%	EPA 8270C	-88	-88	12	131	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Benzo(a)pyrene	n/a	=	0.9	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Organic	Benzo(a)pyrene	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.1			
2016/17-4	Lab	LCS	1/23/2017	Organic	Benzo(a)pyrene	n/a	=	3.43	µg/L	EPA 525.2	0.02	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Organic	Benzo(a)pyrene	n/a	=	69	%	EPA 525.2	-88	-88	40	147	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	3.64	µg/L	EPA 525.2	0.02	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	73	%	EPA 525.2	-88	-88	40	147	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	25.3	µg/L	EPA 625	0.13	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 625	-88	-88	17	163	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	24.3	µg/L	EPA 625	0.13	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 625	-88	-88	17	163	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Organic	Benzo(a)pyrene	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.1			
2016/17-4	Lab	LCS	1/25/2017	Organic	Benzo(a)pyrene	n/a	=	3.26	µg/L	EPA 525.2	0.02	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Organic	Benzo(a)pyrene	n/a	=	65	%	EPA 525.2	-88	-88	40	147	
2016/17-4	Lab	LCS dup	1/25/2017	Organic	Benzo(a)pyrene	n/a	=	3.49	µg/L	EPA 525.2	0.02	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Organic	Benzo(a)pyrene	n/a	=	70	%	EPA 525.2	-88	-88	40	147	
2016/17-4	Lab	LCS, RPD	1/25/2017	Organic	Benzo(a)pyrene	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	24.8	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	99	%	EPA 625	-88	-88	24	159	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	23	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	92	%	EPA 625	-88	-88	24	159	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	105	%	EPA 8270C	-88	-88	19	129	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	106	%	EPA 8270C	-88	-88	19	129	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	24.8	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	99	%	EPA 625	-88	-88	24	159	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	23.8	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	95	%	EPA 625	-88	-88	24	159	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-4	Lab	LCS	1/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	15.4	µg/L	EPA 625	0.1	2			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	61	%	EPA 625	-88	-88	0.1	219	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	14.9	µg/L	EPA 625	0.1	2			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	60	%	EPA 625	-88	-88	0.1	219	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	12.9	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	129	%	EPA 8270C	-88	-88	14	139	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	12.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	127	%	EPA 8270C	-88	-88	14	139	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-4	Lab	LCS	1/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	23	µg/L	EPA 625	0.1	2			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	92	%	EPA 625	-88	-88	0.1	219	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	22.4	µg/L	EPA 625	0.1	2			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	89	%	EPA 625	-88	-88	0.1	219	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	19.9	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	80	%	EPA 625	-88	-88	11	162	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	21.1	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	11	162	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	106	%	EPA 8270C	-88	-88	22	127	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	106	%	EPA 8270C	-88	-88	22	127	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	25	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	100	%	EPA 625	-88	-88	11	162	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	24.4	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	98	%	EPA 625	-88	-88	11	162	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.7	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	79	%	EPA 625	-88	-88	33	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.3	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	81	%	EPA 625	-88	-88	33	184	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.5	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	86	%	EPA 625	-88	-88	33	184	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.5	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	86	%	EPA 625	-88	-88	33	184	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	18.5	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	74	%	EPA 625	-88	-88	12	158	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	19	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625	-88	-88	12	158	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	19	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625	-88	-88	12	158	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	19.3	µg/L	EPA 625	0.27	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	77	%	EPA 625	-88	-88	12	158	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.2	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	77	%	EPA 625	-88	-88	36	166	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.7	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	79	%	EPA 625	-88	-88	36	166	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.8	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	83	%	EPA 625	-88	-88	36	166	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.8	µg/L	EPA 625	0.38	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	83	%	EPA 625	-88	-88	36	166	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-4	Lab	LCS	1/23/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.9	µg/L	EPA 525.2	0.1	5			
2016/17-4	Lab	LCS, rec	1/23/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	98	%	EPA 525.2	-88	-88	71	158	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.9	µg/L	EPA 525.2	0.1	5			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	118	%	EPA 525.2	-88	-88	71	158	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-4	Lab	LCS	1/25/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.09	µg/L	EPA 525.2	0.1	5			
2016/17-4	Lab	LCS, rec	1/25/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	102	%	EPA 525.2	-88	-88	71	158	
2016/17-4	Lab	LCS dup	1/25/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.35	µg/L	EPA 525.2	0.1	5			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	127	%	EPA 525.2	-88	-88	71	158	
2016/17-4	Lab	LCS, RPD	1/25/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	22	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-4	Lab	LCS	1/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.2	µg/L	EPA 625	2.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	93	%	EPA 625	-88	-88	8	158	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.7	µg/L	EPA 625	2.3	5			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	91	%	EPA 625	-88	-88	8	158	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.6	µg/L	EPA 525.2	0.6	3			
2016/17-4	Lab	LCS	1/23/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.1	µg/L	EPA 525.2	0.6	3			
2016/17-4	Lab	LCS, rec	1/23/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	102	%	EPA 525.2	-88	-88	68	154	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.15	µg/L	EPA 525.2	0.6	3			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	123	%	EPA 525.2	-88	-88	68	154	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-4	Lab	LCS	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	29.7	µg/L	EPA 625	2.3	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	119	%	EPA 625	-88	-88	8	158	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.1	µg/L	EPA 625	2.3	5			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 625	-88	-88	8	158	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.6	µg/L	EPA 525.2	0.6	3			
2016/17-4	Lab	LCS	1/25/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.58	µg/L	EPA 525.2	0.6	3			
2016/17-4	Lab	LCS, rec	1/25/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	112	%	EPA 525.2	-88	-88	68	154	
2016/17-4	Lab	LCS dup	1/25/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.76	µg/L	EPA 525.2	0.6	3			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	135	%	EPA 525.2	-88	-88	68	154	
2016/17-4	Lab	LCS, RPD	1/25/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Butyl benzyl phthalate	n/a	=	20.9	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Butyl benzyl phthalate	n/a	=	84	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Butyl benzyl phthalate	n/a	=	20.6	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Butyl benzyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Butyl benzyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Butyl benzyl phthalate	n/a	=	25	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Butyl benzyl phthalate	n/a	=	100	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Butyl benzyl phthalate	n/a	=	23.4	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Butyl benzyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Butyl benzyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Chrysene	n/a	=	22.8	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Chrysene	n/a	=	91	%	EPA 625	-88	-88	17	168	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Chrysene	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Chrysene	n/a	=	90	%	EPA 625	-88	-88	17	168	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Chrysene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Chrysene	n/a	=	9.75	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Chrysene	n/a	=	98	%	EPA 8270C	-88	-88	32	126	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Chrysene	n/a	=	9.39	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Chrysene	n/a	=	94	%	EPA 8270C	-88	-88	32	126	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Chrysene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/24/2017	Organic	Chrysene	n/a	=	23.4	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Chrysene	n/a	=	93	%	EPA 625	-88	-88	17	168	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Chrysene	n/a	=	22.8	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Chrysene	n/a	=	91	%	EPA 625	-88	-88	17	168	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Chrysene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-4	Lab	LCS	1/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	17.2	µg/L	EPA 625	0.08	2			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	69	%	EPA 625	-88	-88	0.1	227	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	16.8	µg/L	EPA 625	0.08	2			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	67	%	EPA 625	-88	-88	0.1	227	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	12.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	123	%	EPA 8270C	-88	-88	9	147	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	11.9	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	119	%	EPA 8270C	-88	-88	9	147	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-4	Lab	LCS	1/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	24.5	µg/L	EPA 625	0.08	2			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	98	%	EPA 625	-88	-88	0.1	227	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	24	µg/L	EPA 625	0.08	2			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	96	%	EPA 625	-88	-88	0.1	227	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Diethyl phthalate	n/a	=	20.4	µg/L	EPA 625	0.15	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Diethyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	114	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Diethyl phthalate	n/a	=	19.4	µg/L	EPA 625	0.15	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Diethyl phthalate	n/a	=	77	%	EPA 625	-88	-88	0.1	114	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Diethyl phthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Diethyl phthalate	n/a	=	21.7	µg/L	EPA 625	0.15	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Diethyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	114	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Diethyl phthalate	n/a	=	21.6	µg/L	EPA 625	0.15	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Diethyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	114	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Diethyl phthalate	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Dimethyl phthalate	n/a	=	18.9	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Dimethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	112	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Dimethyl phthalate	n/a	=	18.2	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Dimethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	112	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Dimethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Dimethyl phthalate	n/a	=	22.4	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Dimethyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	112	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Dimethyl phthalate	n/a	=	22	µg/L	EPA 625	0.18	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Dimethyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	112	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Dimethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/13/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Di-n-butylphthalate	n/a	=	23.4	µg/L	EPA 625	0.24	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Di-n-butylphthalate	n/a	=	94	%	EPA 625	-88	-88	1	118	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Di-n-butylphthalate	n/a	=	22.3	µg/L	EPA 625	0.24	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Di-n-butylphthalate	n/a	=	89	%	EPA 625	-88	-88	1	118	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Di-n-butylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Di-n-butylphthalate	n/a	=	23	µg/L	EPA 625	0.24	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Di-n-butylphthalate	n/a	=	92	%	EPA 625	-88	-88	1	118	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Di-n-butylphthalate	n/a	=	21.8	µg/L	EPA 625	0.24	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Di-n-butylphthalate	n/a	=	87	%	EPA 625	-88	-88	1	118	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Di-n-butylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Di-n-octylphthalate	n/a	=	23	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Di-n-octylphthalate	n/a	=	92	%	EPA 625	-88	-88	4	146	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Di-n-octylphthalate	n/a	=	22.7	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Di-n-octylphthalate	n/a	=	91	%	EPA 625	-88	-88	4	146	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Di-n-octylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Di-n-octylphthalate	n/a	=	23.2	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Di-n-octylphthalate	n/a	=	93	%	EPA 625	-88	-88	4	146	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Di-n-octylphthalate	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Di-n-octylphthalate	n/a	=	87	%	EPA 625	-88	-88	4	146	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Di-n-octylphthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Fluoranthene	n/a	=	21.1	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Fluoranthene	n/a	=	84	%	EPA 625	-88	-88	26	137	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Fluoranthene	n/a	=	20.5	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Fluoranthene	n/a	=	82	%	EPA 625	-88	-88	26	137	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Fluoranthene	n/a	=	6.87	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Fluoranthene	n/a	=	69	%	EPA 8270C	-88	-88	22	131	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Fluoranthene	n/a	=	7.31	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Fluoranthene	n/a	=	73	%	EPA 8270C	-88	-88	22	131	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Fluoranthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Fluoranthene	n/a	=	22.8	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Fluoranthene	n/a	=	91	%	EPA 625	-88	-88	26	137	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Fluoranthene	n/a	=	22.3	µg/L	EPA 625	0.22	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Fluoranthene	n/a	=	89	%	EPA 625	-88	-88	26	137	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Fluorene	n/a	=	19	µg/L	EPA 625	0.35	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Fluorene	n/a	=	76	%	EPA 625	-88	-88	59	121	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Fluorene	n/a	=	19	µg/L	EPA 625	0.35	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Fluorene	n/a	=	76	%	EPA 625	-88	-88	59	121	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Fluorene	n/a	=	0	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Fluorene	n/a	=	8.18	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Fluorene	n/a	=	82	%	EPA 8270C	-88	-88	19	122	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Fluorene	n/a	=	7.85	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Fluorene	n/a	=	79	%	EPA 8270C	-88	-88	19	122	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Fluorene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Fluorene	n/a	=	20.4	µg/L	EPA 625	0.35	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	121	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Fluorene	n/a	=	20.7	µg/L	EPA 625	0.35	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Fluorene	n/a	=	83	%	EPA 625	-88	-88	59	121	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Fluorene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Hexachlorobenzene	n/a	=	16.1	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Hexachlorobenzene	n/a	=	64	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Hexachlorobenzene	n/a	=	15.4	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Hexachlorobenzene	n/a	=	61	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Hexachlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Hexachlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Hexachlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Hexachlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Hexachlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	152	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Hexachlorobutadiene	n/a	=	19.7	µg/L	EPA 625	0.47	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Hexachlorobutadiene	n/a	=	79	%	EPA 625	-88	-88	24	116	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Hexachlorobutadiene	n/a	=	20.2	µg/L	EPA 625	0.47	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Hexachlorobutadiene	n/a	=	81	%	EPA 625	-88	-88	24	116	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Hexachlorobutadiene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Hexachlorobutadiene	n/a	=	18.3	µg/L	EPA 625	0.47	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Hexachlorobutadiene	n/a	=	73	%	EPA 625	-88	-88	24	116	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Hexachlorobutadiene	n/a	=	18.5	µg/L	EPA 625	0.47	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Hexachlorobutadiene	n/a	=	74	%	EPA 625	-88	-88	24	116	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Hexachlorobutadiene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-4	Lab	LCS	1/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	12.1	µg/L	EPA 625	1.5	5			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	48	%	EPA 625	-88	-88	0.1	81	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	13.4	µg/L	EPA 625	1.5	5			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625	-88	-88	0.1	81	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-4	Lab	LCS	1/24/2017	Organic	Hexachlorocyclopentadiene	n/a	=	11.9	µg/L	EPA 625	1.5	5			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Hexachlorocyclopentadiene	n/a	=	48	%	EPA 625	-88	-88	0.1	81	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Hexachlorocyclopentadiene	n/a	=	13.6	µg/L	EPA 625	1.5	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625	-88	-88	0.1	81	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Hexachlorocyclopentadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Hexachloroethane	n/a	=	18.8	µg/L	EPA 625	0.52	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Hexachloroethane	n/a	=	19.6	µg/L	EPA 625	0.52	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Hexachloroethane	n/a	=	78	%	EPA 625	-88	-88	40	113	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Hexachloroethane	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Hexachloroethane	n/a	=	19.1	µg/L	EPA 625	0.52	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Hexachloroethane	n/a	=	76	%	EPA 625	-88	-88	40	113	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Hexachloroethane	n/a	=	19.2	µg/L	EPA 625	0.52	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Hexachloroethane	n/a	=	77	%	EPA 625	-88	-88	40	113	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Hexachloroethane	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-4	Lab	LCS	1/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	17.2	µg/L	EPA 625	0.12	2			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	69	%	EPA 625	-88	-88	0.1	171	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.6	µg/L	EPA 625	0.12	2			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	67	%	EPA 625	-88	-88	0.1	171	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	127	%	EPA 8270C	-88	-88	12	136	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12.4	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	124	%	EPA 8270C	-88	-88	12	136	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-4	Lab	LCS	1/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	24.2	µg/L	EPA 625	0.12	2			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	97	%	EPA 625	-88	-88	0.1	171	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	22.8	µg/L	EPA 625	0.12	2			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	91	%	EPA 625	-88	-88	0.1	171	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Isophorone	n/a	=	21.5	µg/L	EPA 625	0.21	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Isophorone	n/a	=	86	%	EPA 625	-88	-88	21	196	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Isophorone	n/a	=	21.7	µg/L	EPA 625	0.21	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Isophorone	n/a	=	87	%	EPA 625	-88	-88	21	196	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Isophorone	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Isophorone	n/a	=	22.9	µg/L	EPA 625	0.21	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Isophorone	n/a	=	92	%	EPA 625	-88	-88	21	196	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Isophorone	n/a	=	23.4	µg/L	EPA 625	0.21	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Isophorone	n/a	=	93	%	EPA 625	-88	-88	21	196	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Isophorone	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	LCS	1/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	54.6	µg/L	EPA 624	0.25	1			
2016/17-4	Lab	LCS, rec	1/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	109	%	EPA 624	-88	-88	80	128	
2016/17-4	Lab	LCS dup	1/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	54.5	µg/L	EPA 624	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup, rec	1/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	109	%	EPA 624	-88	-88	80	128	
2016/17-4	Lab	LCS, RPD	1/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.1	%	EPA 624	-88	-88	0	25	
2016/17-4	Lab	method blank	1/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-4	Lab	method blank	1/13/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Naphthalene	n/a	=	19.7	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Naphthalene	n/a	=	79	%	EPA 625	-88	-88	21	133	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Naphthalene	n/a	=	20.6	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Naphthalene	n/a	=	82	%	EPA 625	-88	-88	21	133	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Naphthalene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Naphthalene	n/a	=	8.71	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Naphthalene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Naphthalene	n/a	=	8.35	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Naphthalene	n/a	=	83	%	EPA 8270C	-88	-88	12	136	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Naphthalene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Naphthalene	n/a	=	19.4	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Naphthalene	n/a	=	77	%	EPA 625	-88	-88	21	133	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Naphthalene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Naphthalene	n/a	=	79	%	EPA 625	-88	-88	21	133	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Naphthalene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Organic	Naphthalene	n/a	<	0.042	µg/L	EPA 525.2	0.042	-88			
2016/17-4	Lab	LCS	1/25/2017	Organic	Naphthalene	n/a	=	3.88	µg/L	EPA 525.2	0.042	-88			
2016/17-4	Lab	LCS, rec	1/25/2017	Organic	Naphthalene	n/a	=	78	%	EPA 525.2	-88	-88	75	116	
2016/17-4	Lab	LCS dup	1/25/2017	Organic	Naphthalene	n/a	=	4.18	µg/L	EPA 525.2	0.042	-88			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Organic	Naphthalene	n/a	=	84	%	EPA 525.2	-88	-88	75	116	
2016/17-4	Lab	LCS, RPD	1/25/2017	Organic	Naphthalene	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Nitrobenzene	n/a	=	19.2	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Nitrobenzene	n/a	=	20	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Nitrobenzene	n/a	=	80	%	EPA 625	-88	-88	35	180	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Nitrobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Nitrobenzene	n/a	=	21.1	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Nitrobenzene	n/a	=	84	%	EPA 625	-88	-88	35	180	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Nitrobenzene	n/a	=	21	µg/L	EPA 625	0.36	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Nitrobenzene	n/a	=	84	%	EPA 625	-88	-88	35	180	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Nitrobenzene	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	srgt method blank	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2016/17-4	Lab	srgt LCS	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	18	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2016/17-4	Lab	srgt LCS dup	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2016/17-4	Lab	srgt method blank	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	3.79	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270C	-88	-88	51	143	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	srgt LCS	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270C	-88	-88	51	143	
2016/17-4	Lab	srgt LCS dup	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	3.62	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2016/17-4	Lab	srgt method blank	1/24/2017	Organic	Nitrobenzene-d5	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 625	-88	-88	27	111	
2016/17-4	Lab	srgt LCS	1/24/2017	Organic	Nitrobenzene-d5	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	Nitrobenzene-d5	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2016/17-4	ME-SCR	srgt environ	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/13/2017	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 625	-88	-88	27	111	
2016/17-4	ME-SCR	srgt environ	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	3.62	µg/L	EPA 8270C	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/18/2017	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2016/17-4	Lab	method blank	1/13/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	18.1	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	72	%	EPA 625	-88	-88	28	75	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	18.8	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	75	%	EPA 625	-88	-88	28	75	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	N-Nitrosodimethylamine	n/a	=	13.5	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625	-88	-88	28	75	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	N-Nitrosodimethylamine	n/a	=	13.5	µg/L	EPA 625	0.14	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625	-88	-88	28	75	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	N-Nitrosodimethylamine	n/a	=	0.07	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.2	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	97	%	EPA 625	-88	-88	0.1	230	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.1	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	96	%	EPA 625	-88	-88	0.1	230	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.4	µg/L	EPA 625	0.26	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	78	%	EPA 625	-88	-88	0.1	230	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	13.8	µg/L	EPA 625	0.26	1			IL
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	55	%	EPA 625	-88	-88	0.1	230	IL
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	34	%	EPA 625	-88	-88	0	30	IL
2016/17-4	Lab	method blank	1/13/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.3	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	69	%	EPA 625	-88	-88	42	90	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	16.5	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	66	%	EPA 625	-88	-88	42	90	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	N-Nitrosodiphenylamine	n/a	=	19.3	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	N-Nitrosodiphenylamine	n/a	=	77	%	EPA 625	-88	-88	42	90	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	N-Nitrosodiphenylamine	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	N-Nitrosodiphenylamine	n/a	=	76	%	EPA 625	-88	-88	42	90	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	N-Nitrosodiphenylamine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	srgt method blank	1/23/2017	Organic	Perylene-d12	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/23/2017	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	30	118	
2016/17-4	Lab	srgt LCS	1/23/2017	Organic	Perylene-d12	n/a	=	4.47	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/23/2017	Organic	Perylene-d12	n/a	=	89	%	EPA 525.2	-88	-88	30	118	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	Perylene-d12	n/a	=	3.98	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	Perylene-d12	n/a	=	80	%	EPA 525.2	-88	-88	30	118	
2016/17-4	Lab	srgt method blank	1/25/2017	Organic	Perylene-d12	n/a	=	4.62	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/25/2017	Organic	Perylene-d12	n/a	=	92	%	EPA 525.2	-88	-88	30	118	
2016/17-4	Lab	srgt LCS	1/25/2017	Organic	Perylene-d12	n/a	=	4.13	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/25/2017	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	30	118	
2016/17-4	Lab	srgt LCS dup	1/25/2017	Organic	Perylene-d12	n/a	=	3.78	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/25/2017	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	30	118	
2016/17-4	ME-SCR	srgt environ	1/24/2017	Organic	Perylene-d12	n/a	=	1.1	µg/L	EPA 525.2	-88	-88			GN
2016/17-4	ME-SCR	srgt environ, rec	1/24/2017	Organic	Perylene-d12	n/a	=	22	%	EPA 525.2	-88	-88	30	118	GN
2016/17-4	Lab	method blank	1/13/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Phenanthrene	n/a	=	21	µg/L	EPA 625	0.32	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Phenanthrene	n/a	=	84	%	EPA 625	-88	-88	54	120	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Phenanthrene	n/a	=	20.7	µg/L	EPA 625	0.32	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Phenanthrene	n/a	=	83	%	EPA 625	-88	-88	54	120	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Phenanthrene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Phenanthrene	n/a	=	8.39	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Phenanthrene	n/a	=	84	%	EPA 8270C	-88	-88	21	131	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Phenanthrene	n/a	=	8.28	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Phenanthrene	n/a	=	83	%	EPA 8270C	-88	-88	21	131	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Phenanthrene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Phenanthrene	n/a	=	21.2	µg/L	EPA 625	0.32	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Phenanthrene	n/a	=	85	%	EPA 625	-88	-88	54	120	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Phenanthrene	n/a	=	20.8	µg/L	EPA 625	0.32	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Phenanthrene	n/a	=	83	%	EPA 625	-88	-88	54	120	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Phenanthrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/13/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Phenol	n/a	=	7.42	µg/L	EPA 625	0.16	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Phenol	n/a	=	30	%	EPA 625	-88	-88	5	112	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Phenol	n/a	=	8.08	µg/L	EPA 625	0.16	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Phenol	n/a	=	32	%	EPA 625	-88	-88	5	112	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Phenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-4	Lab	LCS	1/19/2017	Organic	Phenol	n/a	=	3.02	µg/L	EPA 8270C	0.35	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Organic	Phenol	n/a	=	30	%	EPA 8270C	-88	-88	6	43	
2016/17-4	Lab	LCS dup	1/19/2017	Organic	Phenol	n/a	=	3.16	µg/L	EPA 8270C	0.35	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Organic	Phenol	n/a	=	32	%	EPA 8270C	-88	-88	6	43	
2016/17-4	Lab	LCS, RPD	1/19/2017	Organic	Phenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/24/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Phenol	n/a	=	7.73	µg/L	EPA 625	0.16	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Phenol	n/a	=	8.33	µg/L	EPA 625	0.16	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Phenol	n/a	=	33	%	EPA 625	-88	-88	5	112	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Phenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	srgt method blank	1/13/2017	Organic	Phenol-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/13/2017	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2016/17-4	Lab	srgt LCS	1/13/2017	Organic	Phenol-d5	n/a	=	15.1	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/13/2017	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2016/17-4	Lab	srgt LCS dup	1/13/2017	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/13/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-4	Lab	srgt method blank	1/19/2017	Organic	Phenol-d5	n/a	=	3.5	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	Organic	Phenol-d5	n/a	=	35	%	EPA 8270C	-88	-88	5	46	
2016/17-4	Lab	srgt LCS	1/19/2017	Organic	Phenol-d5	n/a	=	3.07	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2016/17-4	Lab	srgt LCS dup	1/19/2017	Organic	Phenol-d5	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/19/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2016/17-4	Lab	srgt method blank	1/24/2017	Organic	Phenol-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2016/17-4	Lab	srgt LCS	1/24/2017	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	Phenol-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2016/17-4	ME-SCR	srgt environ	1/13/2017	Organic	Phenol-d5	n/a	=	9.78	µg/L	EPA 625	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/13/2017	Organic	Phenol-d5	n/a	=	20	%	EPA 625	-88	-88	0.1	53	
2016/17-4	ME-SCR	srgt environ	1/19/2017	Organic	Phenol-d5	n/a	=	2.73	µg/L	EPA 8270C	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/19/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-4	Lab	srgt method blank	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2016/17-4	Lab	srgt LCS	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625	-88	-88	28	113	
2016/17-4	Lab	srgt LCS dup	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2016/17-4	Lab	srgt method blank	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	3.56	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2016/17-4	Lab	srgt LCS	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 8270C	-88	-88	19	134	
2016/17-4	Lab	srgt LCS dup	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	58	%	EPA 8270C	-88	-88	19	134	
2016/17-4	Lab	srgt method blank	1/24/2017	Organic	p-Terphenyl-d14	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/24/2017	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2016/17-4	Lab	srgt LCS	1/24/2017	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/24/2017	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2016/17-4	ME-SCR	srgt environ	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	12.2	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	ME-SCR	srgt environ, rec	1/13/2017	Organic	p-Terphenyl-d14	n/a	=	49	%	EPA 625	-88	-88	28	113	
2016/17-4	ME-SCR	srgt environ	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	3.23	µg/L	EPA 8270C	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/18/2017	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2016/17-4	Lab	method blank	1/13/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS	1/13/2017	Organic	Pyrene	n/a	=	21	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Organic	Pyrene	n/a	=	84	%	EPA 625	-88	-88	52	115	
2016/17-4	Lab	LCS dup	1/13/2017	Organic	Pyrene	n/a	=	20.4	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	
2016/17-4	Lab	LCS, RPD	1/13/2017	Organic	Pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/18/2017	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS	1/18/2017	Organic	Pyrene	n/a	=	6.87	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS, rec	1/18/2017	Organic	Pyrene	n/a	=	69	%	EPA 8270C	-88	-88	26	128	
2016/17-4	Lab	LCS dup	1/18/2017	Organic	Pyrene	n/a	=	7.38	µg/L	EPA 8270C	0.1	0.1			
2016/17-4	Lab	LCS dup, rec	1/18/2017	Organic	Pyrene	n/a	=	74	%	EPA 8270C	-88	-88	26	128	
2016/17-4	Lab	LCS, RPD	1/18/2017	Organic	Pyrene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS	1/24/2017	Organic	Pyrene	n/a	=	23.4	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Organic	Pyrene	n/a	=	93	%	EPA 625	-88	-88	52	115	
2016/17-4	Lab	LCS dup	1/24/2017	Organic	Pyrene	n/a	=	22.5	µg/L	EPA 625	0.25	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Organic	Pyrene	n/a	=	90	%	EPA 625	-88	-88	52	115	
2016/17-4	Lab	LCS, RPD	1/24/2017	Organic	Pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	srgt method blank	1/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0568	µg/L	EPA 608	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2016/17-4	Lab	srgt LCS	1/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0692	µg/L	EPA 608	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608	-88	-88	12	117	
2016/17-4	Lab	srgt LCS dup	1/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0804	µg/L	EPA 608	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	80	%	EPA 608	-88	-88	12	117	
2016/17-4	ME-SCR	srgt environ	1/20/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0479	µg/L	EPA 608	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/20/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	48	%	EPA 608	-88	-88	12	117	
2016/17-4	000NONPJ	srgt matrix spike	1/10/2017	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike, rec	1/10/2017	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-4	000NONPJ	srgt matrix spike dup	1/10/2017	Organic	Toluene-d8	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-4	000NONPJ	srgt matrix spike dup, rec	1/10/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-4	Lab	srgt LCS	1/9/2017	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/9/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-4	Lab	srgt LCS dup	1/9/2017	Organic	Toluene-d8	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/9/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-4	Lab	srgt method blank	1/9/2017	Organic	Toluene-d8	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/9/2017	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-4	ME-SCR	srgt environ	1/10/2017	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/10/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-4	Lab	srgt method blank	1/19/2017	Organic	Triphenylphosphate	n/a	=	0.393	µg/L	EPA 525.2m	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	Organic	Triphenylphosphate	n/a	=	79	%	EPA 525.2m	-88	-88	40	163	
2016/17-4	Lab	srgt LCS	1/19/2017	Organic	Triphenylphosphate	n/a	=	0.396	µg/L	EPA 525.2m	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	Organic	Triphenylphosphate	n/a	=	79	%	EPA 525.2m	-88	-88	40	163	
2016/17-4	Lab	srgt method blank	1/23/2017	Organic	Triphenylphosphate	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/23/2017	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	149	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	srgt LCS	1/23/2017	Organic	Triphenylphosphate	n/a	=	5.55	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/23/2017	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	149	
2016/17-4	Lab	srgt LCS dup	1/24/2017	Organic	Triphenylphosphate	n/a	=	6.88	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/24/2017	Organic	Triphenylphosphate	n/a	=	138	%	EPA 525.2	-88	-88	70	149	
2016/17-4	Lab	srgt method blank	1/25/2017	Organic	Triphenylphosphate	n/a	=	5.23	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/25/2017	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	149	
2016/17-4	Lab	srgt LCS	1/25/2017	Organic	Triphenylphosphate	n/a	=	5.89	µg/L	EPA 525.2	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/25/2017	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2	-88	-88	70	149	
2016/17-4	Lab	srgt LCS dup	1/25/2017	Organic	Triphenylphosphate	n/a	=	7.6	µg/L	EPA 525.2	-88	-88			GN
2016/17-4	Lab	srgt LCS dup, rec	1/25/2017	Organic	Triphenylphosphate	n/a	=	152	%	EPA 525.2	-88	-88	70	149	GN
2016/17-4	ME-SCR	srgt matrix spike	1/19/2017	Organic	Triphenylphosphate	n/a	=	0.911	µg/L	EPA 525.2m	-88	-88			GN
2016/17-4	ME-SCR	srgt matrix spike, rec	1/19/2017	Organic	Triphenylphosphate	n/a	=	182	%	EPA 525.2m	-88	-88	40	163	GN
2016/17-4	ME-SCR	srgt matrix spike dup	1/19/2017	Organic	Triphenylphosphate	n/a	=	1.1	µg/L	EPA 525.2m	-88	-88			GN
2016/17-4	ME-SCR	srgt matrix spike dup, rec	1/19/2017	Organic	Triphenylphosphate	n/a	=	220	%	EPA 525.2m	-88	-88	40	163	GN
2016/17-4	ME-SCR	srgt environ	1/19/2017	Organic	Triphenylphosphate	n/a	=	1.28	µg/L	EPA 525.2m	-88	-88			GN
2016/17-4	ME-SCR	srgt environ, rec	1/19/2017	Organic	Triphenylphosphate	n/a	=	257	%	EPA 525.2m	-88	-88	40	163	GN
2016/17-4	ME-SCR	srgt environ	1/24/2017	Organic	Triphenylphosphate	n/a	=	4.46	µg/L	EPA 525.2	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/24/2017	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2	-88	-88	70	149	
2016/17-4	Lab	srgt method blank	1/19/2017	PCB	PCB 209	n/a	=	0.0666	µg/L	EPA 608	-88	-88			
2016/17-4	Lab	srgt method blank, rec	1/19/2017	PCB	PCB 209	n/a	=	67	%	EPA 608	-88	-88	0.1	118	
2016/17-4	Lab	srgt LCS	1/19/2017	PCB	PCB 209	n/a	=	0.0683	µg/L	EPA 608	-88	-88			
2016/17-4	Lab	srgt LCS, rec	1/19/2017	PCB	PCB 209	n/a	=	68	%	EPA 608	-88	-88	0.1	118	
2016/17-4	Lab	srgt LCS dup	1/19/2017	PCB	PCB 209	n/a	=	0.0755	µg/L	EPA 608	-88	-88			
2016/17-4	Lab	srgt LCS dup, rec	1/19/2017	PCB	PCB 209	n/a	=	76	%	EPA 608	-88	-88	0.1	118	
2016/17-4	ME-SCR	srgt environ	1/20/2017	PCB	PCB 209	n/a	=	0.0393	µg/L	EPA 608	-88	-88			
2016/17-4	ME-SCR	srgt environ, rec	1/20/2017	PCB	PCB 209	n/a	=	39	%	EPA 608	-88	-88	0.1	118	
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-4	Lab	method blank	1/19/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	2,4,5-T	n/a	=	4.36	µg/L	EPA 515.3	0.07	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	2,4,5-T	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	2,4,5-T	n/a	=	3.99	µg/L	EPA 515.3	0.07	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	2,4,5-T	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	2,4,5-T	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	2,4,5-T	n/a	=	3.85	µg/L	EPA 515.3	0.07	0.2			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	2,4,5-TP	n/a	=	3.95	µg/L	EPA 515.3	0.09	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	2,4,5-TP	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	2,4,5-TP	n/a	=	3.59	µg/L	EPA 515.3	0.09	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	2,4,5-TP	n/a	=	10	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/11/2017	Pesticide	2,4,5-TP	n/a	=	3.79	µg/L	EPA 515.3	0.09	0.2			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	2,4,5-TP	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	2,4-D	n/a	=	11.5	µg/L	EPA 515.3	0.07	0.4			GB
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	2,4-D	n/a	=	143	%	EPA 515.3	-88	-88	70	130	GB
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	2,4-D	n/a	=	11	µg/L	EPA 515.3	0.07	0.4			GB
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	2,4-D	n/a	=	137	%	EPA 515.3	-88	-88	70	130	GB
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	2,4-D	n/a	=	4	%	EPA 515.3	-88	-88	0	30	GB
2016/17-4	Lab	method blank	1/11/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	2,4-D	n/a	=	8.54	µg/L	EPA 515.3	0.07	0.4			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	2,4-DB	n/a	=	16.2	µg/L	EPA 515.3	0.07	2			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	2,4-DB	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	2,4-DB	n/a	=	15.9	µg/L	EPA 515.3	0.07	2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	2,4-DB	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	2,4-DB	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	2,4-DB	n/a	=	15.4	µg/L	EPA 515.3	0.07	2			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.99	µg/L	EPA 515.3	0.09	1			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.92	µg/L	EPA 515.3	0.09	1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.82	µg/L	EPA 515.3	0.09	1			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	4,4'-DDD	n/a	=	0.0753	µg/L	EPA 608	0.003	0.05			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	4,4'-DDD	n/a	=	75	%	EPA 608	-88	-88	42	133	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	4,4'-DDD	n/a	=	0.082	µg/L	EPA 608	0.003	0.05			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	4,4'-DDD	n/a	=	82	%	EPA 608	-88	-88	42	133	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	4,4'-DDD	n/a	=	9	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	4,4'-DDE	n/a	=	0.0723	µg/L	EPA 608	0.0025	0.05			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	4,4'-DDE	n/a	=	72	%	EPA 608	-88	-88	33	126	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	4,4'-DDE	n/a	=	0.0846	µg/L	EPA 608	0.0025	0.05			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	4,4'-DDE	n/a	=	85	%	EPA 608	-88	-88	33	126	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	4,4'-DDE	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	4,4'-DDT	n/a	=	0.084	µg/L	EPA 608	0.0031	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	4,4'-DDT	n/a	=	84	%	EPA 608	-88	-88	35	147	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	4,4'-DDT	n/a	=	0.0927	µg/L	EPA 608	0.0031	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	4,4'-DDT	n/a	=	93	%	EPA 608	-88	-88	35	147	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	4,4'-DDT	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Acifluorfen	n/a	=	4.61	µg/L	EPA 515.3	0.06	0.4			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Acifluorfen	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Acifluorfen	n/a	=	4.22	µg/L	EPA 515.3	0.06	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Acifluorfen	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Acifluorfen	n/a	=	4	µg/L	EPA 515.3	0.06	0.4			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Acifluorfen	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Alachlor	n/a	=	4.03	µg/L	EPA 525.2	0.022	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Alachlor	n/a	=	81	%	EPA 525.2	-88	-88	55	124	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Alachlor	n/a	=	4	µg/L	EPA 525.2	0.022	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Alachlor	n/a	=	80	%	EPA 525.2	-88	-88	55	124	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Alachlor	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Alachlor	n/a	=	3.57	µg/L	EPA 525.2	0.022	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Alachlor	n/a	=	71	%	EPA 525.2	-88	-88	55	124	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Alachlor	n/a	=	3.49	µg/L	EPA 525.2	0.022	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Alachlor	n/a	=	70	%	EPA 525.2	-88	-88	55	124	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Aldrin	n/a	=	0.08	µg/L	EPA 608	0.0015	0.005			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Aldrin	n/a	=	80	%	EPA 608	-88	-88	18	117	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Aldrin	n/a	=	0.0968	µg/L	EPA 608	0.0015	0.005			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Aldrin	n/a	=	97	%	EPA 608	-88	-88	18	117	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Aldrin	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Aldrin	n/a	<	0.05	µg/L	EPA 525.2	0.05	-88			
2016/17-4	Lab	method blank	1/19/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	alpha-BHC	n/a	=	0.0727	µg/L	EPA 608	0.0018	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	47	119	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	alpha-BHC	n/a	=	0.0793	µg/L	EPA 608	0.0018	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	alpha-BHC	n/a	=	79	%	EPA 608	-88	-88	47	119	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	alpha-BHC	n/a	=	9	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Atrazine	n/a	=	5.55	µg/L	EPA 525.2	0.034	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Atrazine	n/a	=	111	%	EPA 525.2	-88	-88	67	131	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Atrazine	n/a	=	6.21	µg/L	EPA 525.2	0.034	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Atrazine	n/a	=	124	%	EPA 525.2	-88	-88	67	131	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Atrazine	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Atrazine	n/a	=	5.49	µg/L	EPA 525.2	0.034	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Atrazine	n/a	=	110	%	EPA 525.2	-88	-88	67	131	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Atrazine	n/a	=	6.49	µg/L	EPA 525.2	0.034	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Atrazine	n/a	=	130	%	EPA 525.2	-88	-88	67	131	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Atrazine	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Azinphos methyl	n/a	=	0.034	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Azinphos methyl	n/a	=	68	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Azinphos methyl	n/a	=	0.132	µg/L	EPA 525.2m	0.0055	0.01			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Azinphos methyl	n/a	=	265	%	EPA 525.2m	-88	-88	0.1	154	GB
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Azinphos methyl	n/a	=	0.164	µg/L	EPA 525.2m	0.0055	0.01			GB
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Azinphos methyl	n/a	=	329	%	EPA 525.2m	-88	-88	0.1	154	GB
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Azinphos methyl	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	GB
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Bentazon	n/a	=	17.4	µg/L	EPA 515.3	0.11	2			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Bentazon	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Bentazon	n/a	=	16.9	µg/L	EPA 515.3	0.11	2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Bentazon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Bentazon	n/a	=	15.7	µg/L	EPA 515.3	0.11	2			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Bentazon	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	beta-BHC	n/a	=	0.0784	µg/L	EPA 608	0.0031	0.005			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	beta-BHC	n/a	=	78	%	EPA 608	-88	-88	53	123	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	beta-BHC	n/a	=	0.0869	µg/L	EPA 608	0.0031	0.005			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	beta-BHC	n/a	=	87	%	EPA 608	-88	-88	53	123	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	beta-BHC	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Bolstar	n/a	=	0.036	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Bolstar	n/a	=	72	%	EPA 525.2m	-88	-88	11	166	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Bolstar	n/a	=	0.0731	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Bolstar	n/a	=	146	%	EPA 525.2m	-88	-88	4	184	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Bolstar	n/a	=	0.0834	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Bolstar	n/a	=	167	%	EPA 525.2m	-88	-88	4	184	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Bolstar	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Bromacil	n/a	=	3.7	µg/L	EPA 525.2	0.038	1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Bromacil	n/a	=	74	%	EPA 525.2	-88	-88	62	139	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Bromacil	n/a	=	3.71	µg/L	EPA 525.2	0.038	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Bromacil	n/a	=	74	%	EPA 525.2	-88	-88	62	139	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Bromacil	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Bromacil	n/a	=	3.71	µg/L	EPA 525.2	0.038	1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Bromacil	n/a	=	74	%	EPA 525.2	-88	-88	62	139	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Bromacil	n/a	=	3.52	µg/L	EPA 525.2	0.038	1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Bromacil	n/a	=	70	%	EPA 525.2	-88	-88	62	139	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Bromacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Butachlor	n/a	=	4.08	µg/L	EPA 525.2	0.017	0.2			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Butachlor	n/a	=	82	%	EPA 525.2	-88	-88	61	127	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Butachlor	n/a	=	4.13	µg/L	EPA 525.2	0.017	0.2			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Butachlor	n/a	=	83	%	EPA 525.2	-88	-88	61	127	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Butachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Butachlor	n/a	=	3.69	µg/L	EPA 525.2	0.017	0.2			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Butachlor	n/a	=	74	%	EPA 525.2	-88	-88	61	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Butachlor	n/a	=	3.8	µg/L	EPA 525.2	0.017	0.2			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Butachlor	n/a	=	76	%	EPA 525.2	-88	-88	61	127	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Butachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Captan	n/a	=	3.86	µg/L	EPA 525.2	0.86	1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Captan	n/a	=	77	%	EPA 525.2	-88	-88	14	159	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Captan	n/a	=	5.79	µg/L	EPA 525.2	0.86	1			IL
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Captan	n/a	=	116	%	EPA 525.2	-88	-88	14	159	IL
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Captan	n/a	=	40	%	EPA 525.2	-88	-88	0	30	IL
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Captan	n/a	=	4.39	µg/L	EPA 525.2	0.86	1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Captan	n/a	=	88	%	EPA 525.2	-88	-88	14	159	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Captan	n/a	=	5.99	µg/L	EPA 525.2	0.86	1			IL
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Captan	n/a	=	120	%	EPA 525.2	-88	-88	14	159	IL
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Captan	n/a	=	31	%	EPA 525.2	-88	-88	0	30	IL
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Chloropropham	n/a	=	5.09	µg/L	EPA 525.2	0.01	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Chloropropham	n/a	=	102	%	EPA 525.2	-88	-88	77	143	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Chloropropham	n/a	=	5.69	µg/L	EPA 525.2	0.01	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Chloropropham	n/a	=	114	%	EPA 525.2	-88	-88	77	143	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Chloropropham	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Chloropropham	n/a	=	5.06	µg/L	EPA 525.2	0.01	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Chloropropham	n/a	=	101	%	EPA 525.2	-88	-88	77	143	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Chloropropham	n/a	=	5.97	µg/L	EPA 525.2	0.01	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Chloropropham	n/a	=	119	%	EPA 525.2	-88	-88	77	143	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Chloropropham	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	0.0466	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	93	%	EPA 525.2m	-88	-88	37	169	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	0.0425	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	85	%	EPA 525.2m	-88	-88	37	168	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	0.0421	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	84	%	EPA 525.2m	-88	-88	37	168	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Chlorpyrifos	n/a	=	0.9	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Coumaphos	n/a	=	0.0334	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Coumaphos	n/a	=	67	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Coumaphos	n/a	=	0.0637	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Coumaphos	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Coumaphos	n/a	=	0.0771	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Coumaphos	n/a	=	154	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Coumaphos	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Cyanazine	n/a	=	4.71	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Cyanazine	n/a	=	94	%	EPA 525.2	-88	-88	61	129	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Cyanazine	n/a	=	6.39	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Cyanazine	n/a	=	128	%	EPA 525.2	-88	-88	61	129	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Cyanazine	n/a	=	30	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Cyanazine	n/a	=	6.03	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Cyanazine	n/a	=	121	%	EPA 525.2	-88	-88	61	129	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Cyanazine	n/a	=	5.98	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Cyanazine	n/a	=	120	%	EPA 525.2	-88	-88	61	129	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Cyanazine	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Dalapon	n/a	=	7.59	µg/L	EPA 515.3	0.1	0.4			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Dalapon	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Dalapon	n/a	=	7.24	µg/L	EPA 515.3	0.1	0.4			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Dalapon	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Dalapon	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Dalapon	n/a	=	7.39	µg/L	EPA 515.3	0.1	0.4			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Dalapon	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.01	µg/L	EPA 515.3	0.07	0.1			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	3.79	µg/L	EPA 515.3	0.07	0.1			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	3.81	µg/L	EPA 515.3	0.07	0.1			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	DCPA (Dacthal)	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	delta-BHC	n/a	=	0.0879	µg/L	EPA 608	0.0025	0.005			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	delta-BHC	n/a	=	88	%	EPA 608	-88	-88	51	123	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	delta-BHC	n/a	=	0.0943	µg/L	EPA 608	0.0025	0.005			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	delta-BHC	n/a	=	94	%	EPA 608	-88	-88	51	123	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	delta-BHC	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Demeton-O	n/a	=	0.0221	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Demeton-O	n/a	=	44	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Demeton-O	n/a	=	0.037	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Demeton-O	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Demeton-O	n/a	=	0.0343	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Demeton-O	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Demeton-O	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Demeton-S	n/a	=	0.0446	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Demeton-S	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Demeton-S	n/a	=	0.0707	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Demeton-S	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Demeton-S	n/a	=	0.0777	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Demeton-S	n/a	=	155	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Demeton-S	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Diazinon	n/a	=	0.0356	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Diazinon	n/a	=	71	%	EPA 525.2m	-88	-88	43	152	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Diazinon	n/a	=	1.95	µg/L	EPA 525.2	0.096	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Diazinon	n/a	=	39	%	EPA 525.2	-88	-88	30	120	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Diazinon	n/a	=	2.56	µg/L	EPA 525.2	0.096	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Diazinon	n/a	=	51	%	EPA 525.2	-88	-88	30	120	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Diazinon	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Diazinon	n/a	=	1.63	µg/L	EPA 525.2	0.096	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Diazinon	n/a	=	33	%	EPA 525.2	-88	-88	30	120	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Diazinon	n/a	=	2.24	µg/L	EPA 525.2	0.096	0.1			IL
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Diazinon	n/a	=	45	%	EPA 525.2	-88	-88	30	120	IL
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Diazinon	n/a	=	32	%	EPA 525.2	-88	-88	0	30	IL
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Diazinon	n/a	=	0.045	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2m	-88	-88	36	153	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Diazinon	n/a	=	0.045	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2m	-88	-88	36	153	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Diazinon	n/a	=	0.07	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Dicamba	n/a	=	7.84	µg/L	EPA 515.3	0.12	0.6			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Dicamba	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Dicamba	n/a	=	7.28	µg/L	EPA 515.3	0.12	0.6			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Dicamba	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Dicamba	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Dicamba	n/a	=	7.71	µg/L	EPA 515.3	0.12	0.6			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Dicamba	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Dichlorprop	n/a	=	8.86	µg/L	EPA 515.3	0.08	0.3			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Dichlorprop	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Dichlorprop	n/a	=	9.04	µg/L	EPA 515.3	0.08	0.3			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Dichlorprop	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Dichlorprop	n/a	=	8.33	µg/L	EPA 515.3	0.08	0.3			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Dichlorprop	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Dichlorvos	n/a	=	0.0369	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Dichlorvos	n/a	=	74	%	EPA 525.2m	-88	-88	46	133	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Dichlorvos	n/a	=	0.0633	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Dichlorvos	n/a	=	127	%	EPA 525.2m	-88	-88	42	137	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Dichlorvos	n/a	=	0.0536	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Dichlorvos	n/a	=	107	%	EPA 525.2m	-88	-88	42	137	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Dichlorvos	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Dieldrin	n/a	=	0.0835	µg/L	EPA 608	0.0021	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Dieldrin	n/a	=	84	%	EPA 608	-88	-88	48	123	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Dieldrin	n/a	=	0.095	µg/L	EPA 608	0.0021	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Dieldrin	n/a	=	95	%	EPA 608	-88	-88	48	123	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Dieldrin	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Dimethoate	n/a	=	0.0211	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Dimethoate	n/a	=	42	%	EPA 525.2m	-88	-88	10	234	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Dimethoate	n/a	=	3.21	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Dimethoate	n/a	=	64	%	EPA 525.2	-88	-88	38	102	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Dimethoate	n/a	=	4.83	µg/L	EPA 525.2	0.024	0.2			IL
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Dimethoate	n/a	=	97	%	EPA 525.2	-88	-88	38	102	IL
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Dimethoate	n/a	=	40	%	EPA 525.2	-88	-88	0	30	IL
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Dimethoate	n/a	=	3.31	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Dimethoate	n/a	=	66	%	EPA 525.2	-88	-88	38	102	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Dimethoate	n/a	=	5.24	µg/L	EPA 525.2	0.024	0.2			EUM,IL
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Dimethoate	n/a	=	105	%	EPA 525.2	-88	-88	38	102	EUM,IL
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Dimethoate	n/a	=	45	%	EPA 525.2	-88	-88	0	30	EUM,IL
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Dimethoate	n/a	=	0.0556	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Dimethoate	n/a	=	111	%	EPA 525.2m	-88	-88	4	222	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Dimethoate	n/a	=	0.0517	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Dimethoate	n/a	=	103	%	EPA 525.2m	-88	-88	4	222	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Dimethoate	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Dinoseb	n/a	=	4.1	µg/L	EPA 515.3	0.14	0.4			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Dinoseb	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Dinoseb	n/a	=	4.01	µg/L	EPA 515.3	0.14	0.4			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Dinoseb	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Dinoseb	n/a	=	4.03	µg/L	EPA 515.3	0.14	0.4			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Dinoseb	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Diphenamid	n/a	=	5.1	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Diphenamid	n/a	=	102	%	EPA 525.2	-88	-88	77	124	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Diphenamid	n/a	=	6.62	µg/L	EPA 525.2	0.024	0.1			EUM
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Diphenamid	n/a	=	132	%	EPA 525.2	-88	-88	77	124	EUM
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Diphenamid	n/a	=	26	%	EPA 525.2	-88	-88	0	30	EUM
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Diphenamid	n/a	=	5.29	µg/L	EPA 525.2	0.024	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Diphenamid	n/a	=	106	%	EPA 525.2	-88	-88	77	124	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Diphenamid	n/a	=	6.67	µg/L	EPA 525.2	0.024	0.1			EUM
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Diphenamid	n/a	=	133	%	EPA 525.2	-88	-88	77	124	EUM
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Diphenamid	n/a	=	23	%	EPA 525.2	-88	-88	0	30	EUM
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Disulfoton	n/a	=	0.0343	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Disulfoton	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Disulfoton	n/a	=	4	µg/L	EPA 525.2	0.031	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Disulfoton	n/a	=	80	%	EPA 525.2	-88	-88	54	156	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Disulfoton	n/a	=	4.68	µg/L	EPA 525.2	0.031	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Disulfoton	n/a	=	94	%	EPA 525.2	-88	-88	54	156	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Disulfoton	n/a	=	16	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Disulfoton	n/a	=	3.7	µg/L	EPA 525.2	0.031	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Disulfoton	n/a	=	74	%	EPA 525.2	-88	-88	54	156	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Disulfoton	n/a	=	4.41	µg/L	EPA 525.2	0.031	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	54	156	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Disulfoton	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Disulfoton	n/a	=	0.0544	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Disulfoton	n/a	=	109	%	EPA 525.2m	-88	-88	12	199	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Disulfoton	n/a	=	0.056	µg/L	EPA 525.2m	0.01	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Disulfoton	n/a	=	112	%	EPA 525.2m	-88	-88	12	199	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Endosulfan I	n/a	=	0.0822	µg/L	EPA 608	0.0017	0.02			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Endosulfan I	n/a	=	82	%	EPA 608	-88	-88	14	131	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Endosulfan I	n/a	=	0.0927	µg/L	EPA 608	0.0017	0.02			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Endosulfan I	n/a	=	93	%	EPA 608	-88	-88	14	131	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Endosulfan I	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Endosulfan II	n/a	=	0.0653	µg/L	EPA 608	0.0019	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Endosulfan II	n/a	=	65	%	EPA 608	-88	-88	40	121	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Endosulfan II	n/a	=	0.0683	µg/L	EPA 608	0.0019	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Endosulfan II	n/a	=	68	%	EPA 608	-88	-88	40	121	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Endosulfan II	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0742	µg/L	EPA 608	0.008	0.05			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Endosulfan sulfate	n/a	=	74	%	EPA 608	-88	-88	44	140	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Endosulfan sulfate	n/a	=	0.082	µg/L	EPA 608	0.008	0.05			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Endosulfan sulfate	n/a	=	82	%	EPA 608	-88	-88	44	140	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Endosulfan sulfate	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Endrin	n/a	=	0.0997	µg/L	EPA 608	0.0028	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Endrin	n/a	=	100	%	EPA 608	-88	-88	40	143	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Endrin	n/a	=	0.108	µg/L	EPA 608	0.0028	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Endrin	n/a	=	108	%	EPA 608	-88	-88	40	143	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Endrin	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Endrin aldehyde	n/a	=	0.0684	µg/L	EPA 608	0.003	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Endrin aldehyde	n/a	=	68	%	EPA 608	-88	-88	18	136	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Endrin aldehyde	n/a	=	0.0794	µg/L	EPA 608	0.003	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Endrin aldehyde	n/a	=	79	%	EPA 608	-88	-88	18	136	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Endrin aldehyde	n/a	=	15	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS	1/23/2017	Pesticide	EPTC	n/a	=	4.45	µg/L	EPA 525.2	0.017	1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	EPTC	n/a	=	89	%	EPA 525.2	-88	-88	82	116	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	EPTC	n/a	=	4.12	µg/L	EPA 525.2	0.017	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	EPTC	n/a	=	82	%	EPA 525.2	-88	-88	82	116	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	EPTC	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	EPTC	n/a	=	4.34	µg/L	EPA 525.2	0.017	1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	EPTC	n/a	=	87	%	EPA 525.2	-88	-88	82	116	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	EPTC	n/a	=	4.2	µg/L	EPA 525.2	0.017	1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	EPTC	n/a	=	84	%	EPA 525.2	-88	-88	82	116	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	EPTC	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Ethoprop	n/a	=	0.0379	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Ethoprop	n/a	=	76	%	EPA 525.2m	-88	-88	53	163	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Ethoprop	n/a	=	0.0534	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Ethoprop	n/a	=	107	%	EPA 525.2m	-88	-88	51	167	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Ethoprop	n/a	=	0.0535	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Ethoprop	n/a	=	107	%	EPA 525.2m	-88	-88	51	167	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Ethoprop	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Ethyl parathion	n/a	=	0.0445	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Ethyl parathion	n/a	=	89	%	EPA 525.2m	-88	-88	7	230	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Ethyl parathion	n/a	=	0.0499	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Ethyl parathion	n/a	=	100	%	EPA 525.2m	-88	-88	5	229	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Ethyl parathion	n/a	=	0.0495	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Ethyl parathion	n/a	=	99	%	EPA 525.2m	-88	-88	5	229	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Ethyl parathion	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Fensulfothion	n/a	=	0.023	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Fensulfothion	n/a	=	46	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Fensulfothion	n/a	=	0.113	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Fensulfothion	n/a	=	225	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Fensulfothion	n/a	=	0.14	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Fensulfothion	n/a	=	280	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Fensulfothion	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Fenthion	n/a	=	0.0389	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Fenthion	n/a	=	78	%	EPA 525.2m	-88	-88	20	177	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Fenthion	n/a	=	0.0391	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Fenthion	n/a	=	78	%	EPA 525.2m	-88	-88	23	169	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Fenthion	n/a	=	0.0396	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Fenthion	n/a	=	79	%	EPA 525.2m	-88	-88	23	169	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Fenthion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0898	µg/L	EPA 608	0.0021	0.02			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	90	%	EPA 608	-88	-88	49	117	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0954	µg/L	EPA 608	0.0021	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	95	%	EPA 608	-88	-88	49	117	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-4	000NONPJ	matrix spike	1/9/2017	Pesticide	Glyphosate	n/a	=	18.9	µg/L	EPA 547	1.8	5			
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Pesticide	Glyphosate	n/a	=	76	%	EPA 547	-88	-88	41	149	
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Pesticide	Glyphosate	n/a	=	17.2	µg/L	EPA 547	1.8	5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Pesticide	Glyphosate	n/a	=	69	%	EPA 547	-88	-88	41	149	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Pesticide	Glyphosate	n/a	=	9	%	EPA 547	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/9/2017	Pesticide	Glyphosate	n/a	=	21.6	µg/L	EPA 547	1.8	5			
2016/17-4	000NONPJ	matrix spike, rec	1/9/2017	Pesticide	Glyphosate	n/a	=	67	%	EPA 547	-88	-88	41	149	
2016/17-4	000NONPJ	matrix spike dup	1/9/2017	Pesticide	Glyphosate	n/a	=	24.5	µg/L	EPA 547	1.8	5			
2016/17-4	000NONPJ	matrix spike dup, rec	1/9/2017	Pesticide	Glyphosate	n/a	=	78	%	EPA 547	-88	-88	41	149	
2016/17-4	000NONPJ	matrix spike, RPD	1/9/2017	Pesticide	Glyphosate	n/a	=	12	%	EPA 547	-88	-88	0	30	
2016/17-4	Lab	method blank	1/9/2017	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-4	Lab	LCS	1/9/2017	Pesticide	Glyphosate	n/a	=	25	µg/L	EPA 547	1.8	5			
2016/17-4	Lab	LCS, rec	1/9/2017	Pesticide	Glyphosate	n/a	=	100	%	EPA 547	-88	-88	62	130	
2016/17-4	Lab	method blank	1/10/2017	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-4	Lab	LCS	1/10/2017	Pesticide	Glyphosate	n/a	=	19.1	µg/L	EPA 547	1.8	5			
2016/17-4	Lab	LCS, rec	1/10/2017	Pesticide	Glyphosate	n/a	=	76	%	EPA 547	-88	-88	62	130	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Heptachlor	n/a	=	0.0894	µg/L	EPA 608	0.0017	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Heptachlor	n/a	=	89	%	EPA 608	-88	-88	31	130	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Heptachlor	n/a	=	0.103	µg/L	EPA 608	0.0017	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Heptachlor	n/a	=	103	%	EPA 608	-88	-88	31	130	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Heptachlor	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0917	µg/L	EPA 608	0.0019	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Heptachlor epoxide	n/a	=	92	%	EPA 608	-88	-88	49	122	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Heptachlor epoxide	n/a	=	0.099	µg/L	EPA 608	0.0019	0.01			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Heptachlor epoxide	n/a	=	99	%	EPA 608	-88	-88	49	122	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Heptachlor epoxide	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Malathion	n/a	=	0.0484	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Malathion	n/a	=	97	%	EPA 525.2m	-88	-88	14	175	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Malathion	n/a	=	0.0735	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Malathion	n/a	=	147	%	EPA 525.2m	-88	-88	6	184	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Malathion	n/a	=	0.0699	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Malathion	n/a	=	140	%	EPA 525.2m	-88	-88	6	184	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Malathion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Merphos	n/a	=	0.0367	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Merphos	n/a	=	73	%	EPA 525.2m	-88	-88	28	181	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Merphos	n/a	=	0.115	µg/L	EPA 525.2m	0.0058	0.01			GB
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Merphos	n/a	=	229	%	EPA 525.2m	-88	-88	3	210	GB
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Merphos	n/a	=	0.137	µg/L	EPA 525.2m	0.0058	0.01			GB
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Merphos	n/a	=	273	%	EPA 525.2m	-88	-88	3	210	GB
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Merphos	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Methyl parathion	n/a	=	0.0437	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Methyl parathion	n/a	=	87	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Methyl parathion	n/a	=	0.0553	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Methyl parathion	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Methyl parathion	n/a	=	0.0557	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Methyl parathion	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Methyl parathion	n/a	=	0.6	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Metolachlor	n/a	=	4.04	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Metolachlor	n/a	=	81	%	EPA 525.2	-88	-88	61	123	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Metolachlor	n/a	=	3.99	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Metolachlor	n/a	=	80	%	EPA 525.2	-88	-88	61	123	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Metolachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Metolachlor	n/a	=	3.69	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Metolachlor	n/a	=	74	%	EPA 525.2	-88	-88	61	123	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Metolachlor	n/a	=	3.56	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Metolachlor	n/a	=	71	%	EPA 525.2	-88	-88	61	123	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Metolachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Metribuzin	n/a	=	3.37	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Metribuzin	n/a	=	67	%	EPA 525.2	-88	-88	50	121	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Metribuzin	n/a	=	3.83	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Metribuzin	n/a	=	77	%	EPA 525.2	-88	-88	50	121	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Metribuzin	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Metribuzin	n/a	=	3.21	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Metribuzin	n/a	=	64	%	EPA 525.2	-88	-88	50	121	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Metribuzin	n/a	=	3.51	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Metribuzin	n/a	=	70	%	EPA 525.2	-88	-88	50	121	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Metribuzin	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Mevinphos	n/a	=	0.028	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Mevinphos	n/a	=	56	%	EPA 525.2m	-88	-88	14	202	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Mevinphos	n/a	=	0.0511	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Mevinphos	n/a	=	102	%	EPA 525.2m	-88	-88	25	189	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Mevinphos	n/a	=	0.0494	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Mevinphos	n/a	=	99	%	EPA 525.2m	-88	-88	25	189	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Mevinphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Molinate	n/a	=	4.83	µg/L	EPA 525.2	0.039	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Molinate	n/a	=	97	%	EPA 525.2	-88	-88	82	117	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Molinate	n/a	=	4.73	µg/L	EPA 525.2	0.039	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Molinate	n/a	=	95	%	EPA 525.2	-88	-88	82	117	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Molinate	n/a	=	4.59	µg/L	EPA 525.2	0.039	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Molinate	n/a	=	92	%	EPA 525.2	-88	-88	82	117	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Molinate	n/a	=	4.69	µg/L	EPA 525.2	0.039	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Molinate	n/a	=	94	%	EPA 525.2	-88	-88	82	117	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Naled	n/a	=	0.0522	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Naled	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Naled	n/a	=	0.0572	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Naled	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Naled	n/a	=	0.0758	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Naled	n/a	=	152	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Naled	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	3.7	µg/L	EPA 515.3	0.04	0.2			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	3.44	µg/L	EPA 515.3	0.04	0.2			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	4	µg/L	EPA 515.3	0.04	0.2			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Pentachlorophenol	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/13/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/13/2017	Pesticide	Pentachlorophenol	n/a	=	16.6	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/13/2017	Pesticide	Pentachlorophenol	n/a	=	66	%	EPA 625	-88	-88	14	176	
2016/17-4	Lab	LCS dup	1/13/2017	Pesticide	Pentachlorophenol	n/a	=	15.1	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/13/2017	Pesticide	Pentachlorophenol	n/a	=	60	%	EPA 625	-88	-88	14	176	
2016/17-4	Lab	LCS, RPD	1/13/2017	Pesticide	Pentachlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Pentachlorophenol	n/a	=	7.31	µg/L	EPA 8270C	0.15	1			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Pentachlorophenol	n/a	=	73	%	EPA 8270C	-88	-88	29	106	
2016/17-4	Lab	LCS dup	1/19/2017	Pesticide	Pentachlorophenol	n/a	=	8.01	µg/L	EPA 8270C	0.15	1			
2016/17-4	Lab	LCS dup, rec	1/19/2017	Pesticide	Pentachlorophenol	n/a	=	80	%	EPA 8270C	-88	-88	29	106	
2016/17-4	Lab	LCS, RPD	1/19/2017	Pesticide	Pentachlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-4	Lab	method blank	1/24/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS	1/24/2017	Pesticide	Pentachlorophenol	n/a	=	24.3	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS, rec	1/24/2017	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 625	-88	-88	14	176	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Pentachlorophenol	n/a	=	23.6	µg/L	EPA 625	0.19	1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 625	-88	-88	14	176	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Phorate	n/a	=	0.0459	µg/L	EPA 525.2m	0.003	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Phorate	n/a	=	92	%	EPA 525.2m	-88	-88	26	180	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Phorate	n/a	=	0.0581	µg/L	EPA 525.2m	0.003	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Phorate	n/a	=	116	%	EPA 525.2m	-88	-88	31	181	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Phorate	n/a	=	0.0633	µg/L	EPA 525.2m	0.003	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Phorate	n/a	=	127	%	EPA 525.2m	-88	-88	31	181	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Phorate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	000NONPJ	matrix spike	1/11/2017	Pesticide	Picloram	n/a	=	4.56	µg/L	EPA 515.3	0.05	0.6			
2016/17-4	000NONPJ	matrix spike, rec	1/11/2017	Pesticide	Picloram	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike dup	1/11/2017	Pesticide	Picloram	n/a	=	4.24	µg/L	EPA 515.3	0.05	0.6			
2016/17-4	000NONPJ	matrix spike dup, rec	1/11/2017	Pesticide	Picloram	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-4	000NONPJ	matrix spike, RPD	1/11/2017	Pesticide	Picloram	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-4	Lab	method blank	1/11/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-4	Lab	LCS	1/11/2017	Pesticide	Picloram	n/a	=	4.01	µg/L	EPA 515.3	0.05	0.6			
2016/17-4	Lab	LCS, rec	1/11/2017	Pesticide	Picloram	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Prometon	n/a	=	1.76	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Prometon	n/a	=	35	%	EPA 525.2	-88	-88	17	101	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Prometon	n/a	DNQ	0.06	µg/L	EPA 525.2	0.024	0.2			EUM,IL
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Prometon	n/a	=	1	%	EPA 525.2	-88	-88	17	101	EUM,IL
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Prometon	n/a	=	187	%	EPA 525.2	-88	-88	0	30	EUM,IL
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Prometon	n/a	=	1.58	µg/L	EPA 525.2	0.024	0.2			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Prometon	n/a	=	32	%	EPA 525.2	-88	-88	17	101	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Prometon	n/a	DNQ	0.06	µg/L	EPA 525.2	0.024	0.2			EUM,IL
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Prometon	n/a	=	1	%	EPA 525.2	-88	-88	17	101	EUM,IL
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Prometon	n/a	=	185	%	EPA 525.2	-88	-88	0	30	EUM,IL
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Prometryn	n/a	=	3.05	µg/L	EPA 525.2	0.036	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Prometryn	n/a	=	61	%	EPA 525.2	-88	-88	57	122	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Prometryn	n/a	=	0.31	µg/L	EPA 525.2	0.036	0.1			EUM,IL
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Prometryn	n/a	=	6	%	EPA 525.2	-88	-88	57	122	EUM,IL
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Prometryn	n/a	=	163	%	EPA 525.2	-88	-88	0	30	EUM,IL
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Prometryn	n/a	=	2.78	µg/L	EPA 525.2	0.036	0.1			EUM
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Prometryn	n/a	=	56	%	EPA 525.2	-88	-88	57	122	EUM
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Prometryn	n/a	=	0.28	µg/L	EPA 525.2	0.036	0.1			IL
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Prometryn	n/a	=	6	%	EPA 525.2	-88	-88	57	122	IL
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Prometryn	n/a	=	163	%	EPA 525.2	-88	-88	0	30	IL
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.049	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	98	%	EPA 525.2m	-88	-88	34	154	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0393	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	79	%	EPA 525.2m	-88	-88	29	153	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0384	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	77	%	EPA 525.2m	-88	-88	29	153	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Simazine	n/a	=	3.68	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Simazine	n/a	=	74	%	EPA 525.2	-88	-88	53	116	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Simazine	n/a	=	2.97	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Simazine	n/a	=	59	%	EPA 525.2	-88	-88	53	116	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Simazine	n/a	=	21	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Simazine	n/a	=	3.39	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Simazine	n/a	=	68	%	EPA 525.2	-88	-88	53	116	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Simazine	n/a	=	2.77	µg/L	EPA 525.2	0.015	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Simazine	n/a	=	55	%	EPA 525.2	-88	-88	53	116	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Simazine	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0484	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0643	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0649	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.9	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Terbacil	n/a	=	4.45	µg/L	EPA 525.2	0.55	2			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Terbacil	n/a	=	89	%	EPA 525.2	-88	-88	70	135	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Terbacil	n/a	=	5.78	µg/L	EPA 525.2	0.55	2			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Terbacil	n/a	=	116	%	EPA 525.2	-88	-88	70	135	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Terbacil	n/a	=	26	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Terbacil	n/a	=	4.86	µg/L	EPA 525.2	0.55	2			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Terbacil	n/a	=	97	%	EPA 525.2	-88	-88	70	135	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Terbacil	n/a	=	5.94	µg/L	EPA 525.2	0.55	2			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Terbacil	n/a	=	119	%	EPA 525.2	-88	-88	70	135	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Terbacil	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Thiobencarb	n/a	=	3.97	µg/L	EPA 525.2	0.025	0.2			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Thiobencarb	n/a	=	79	%	EPA 525.2	-88	-88	56	125	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Thiobencarb	n/a	=	4.02	µg/L	EPA 525.2	0.025	0.2			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Thiobencarb	n/a	=	80	%	EPA 525.2	-88	-88	56	125	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Thiobencarb	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Thiobencarb	n/a	=	3.68	µg/L	EPA 525.2	0.025	0.2			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Thiobencarb	n/a	=	74	%	EPA 525.2	-88	-88	56	125	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Thiobencarb	n/a	=	3.59	µg/L	EPA 525.2	0.025	0.2			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Thiobencarb	n/a	=	72	%	EPA 525.2	-88	-88	56	125	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Tokuthion	n/a	=	0.0391	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Tokuthion	n/a	=	78	%	EPA 525.2m	-88	-88	23	159	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Tokuthion	n/a	=	0.0619	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Tokuthion	n/a	=	124	%	EPA 525.2m	-88	-88	27	160	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Tokuthion	n/a	=	0.0694	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Tokuthion	n/a	=	139	%	EPA 525.2m	-88	-88	27	160	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Tokuthion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-4	Lab	method blank	1/19/2017	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	Lab	LCS	1/19/2017	Pesticide	Trichloronate	n/a	=	0.0609	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	Lab	LCS, rec	1/19/2017	Pesticide	Trichloronate	n/a	=	122	%	EPA 525.2m	-88	-88	34	153	
2016/17-4	ME-SCR	matrix spike	1/19/2017	Pesticide	Trichloronate	n/a	=	0.0415	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	ME-SCR	matrix spike, rec	1/19/2017	Pesticide	Trichloronate	n/a	=	83	%	EPA 525.2m	-88	-88	40	150	
2016/17-4	ME-SCR	matrix spike dup	1/19/2017	Pesticide	Trichloronate	n/a	=	0.0404	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-4	ME-SCR	matrix spike dup, rec	1/19/2017	Pesticide	Trichloronate	n/a	=	81	%	EPA 525.2m	-88	-88	40	150	
2016/17-4	ME-SCR	matrix spike, RPD	1/19/2017	Pesticide	Trichloronate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-4	Lab	method blank	1/23/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS	1/23/2017	Pesticide	Trithion	n/a	=	3.92	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS, rec	1/23/2017	Pesticide	Trithion	n/a	=	78	%	EPA 525.2	-88	-88	60	124	
2016/17-4	Lab	LCS dup	1/24/2017	Pesticide	Trithion	n/a	=	4.15	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS dup, rec	1/24/2017	Pesticide	Trithion	n/a	=	83	%	EPA 525.2	-88	-88	60	124	
2016/17-4	Lab	LCS, RPD	1/24/2017	Pesticide	Trithion	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-4	Lab	method blank	1/25/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS	1/25/2017	Pesticide	Trithion	n/a	=	3.89	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS, rec	1/25/2017	Pesticide	Trithion	n/a	=	78	%	EPA 525.2	-88	-88	60	124	
2016/17-4	Lab	LCS dup	1/25/2017	Pesticide	Trithion	n/a	=	3.91	µg/L	EPA 525.2	0.012	0.1			
2016/17-4	Lab	LCS dup, rec	1/25/2017	Pesticide	Trithion	n/a	=	78	%	EPA 525.2	-88	-88	60	124	
2016/17-4	Lab	LCS, RPD	1/25/2017	Pesticide	Trithion	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Anion	Chloride	n/a	=	114	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike	1/23/2017	Anion	Chloride	n/a	=	130	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Anion	Chloride	n/a	=	130	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Anion	Chloride	n/a	=	114	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	76	118	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	76	118	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Anion	Chloride	n/a	=	0.09	%	EPA 300.0	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Anion	Chloride	n/a	=	0.05	%	EPA 300.0	-88	-88	0	20	
2016/17-5	Lab	LCS	1/23/2017	Anion	Chloride	n/a	=	10.2	mg/L	EPA 300.0	0.1	0.5			
2016/17-5	Lab	LCS, rec	1/23/2017	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	90	110	
2016/17-5	Lab	method blank	1/23/2017	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-5	000NONPJ	matrix spike	1/23/2017	Anion	Fluoride	n/a	=	5.56	mg/L	EPA 300.0	0.2	1			
2016/17-5	000NONPJ	matrix spike	1/23/2017	Anion	Fluoride	n/a	=	5.22	mg/L	EPA 300.0	0.2	1			
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Anion	Fluoride	n/a	=	5.22	mg/L	EPA 300.0	0.2	1			
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Anion	Fluoride	n/a	=	5.52	mg/L	EPA 300.0	0.2	1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	86	107	
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Anion	Fluoride	n/a	=	101	%	EPA 300.0	-88	-88	86	107	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Anion	Fluoride	n/a	=	0	%	EPA 300.0	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Anion	Fluoride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2016/17-5	Lab	LCS	1/23/2017	Anion	Fluoride	n/a	=	0.495	mg/L	EPA 300.0	0.02	0.1			
2016/17-5	Lab	LCS, rec	1/23/2017	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2016/17-5	Lab	method blank	1/23/2017	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-5	000NONPJ	matrix spike	1/26/2017	Anion	Perchlorate	n/a	=	8.41	µg/L	EPA 314.0	0.95	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	000NONPJ	matrix spike, rec	1/26/2017	Anion	Perchlorate	n/a	=	84	%	EPA 314.0	-88	-88	80	120	
2016/17-5	000NONPJ	matrix spike dup	1/26/2017	Anion	Perchlorate	n/a	=	9.01	µg/L	EPA 314.0	0.95	2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/26/2017	Anion	Perchlorate	n/a	=	90	%	EPA 314.0	-88	-88	80	120	
2016/17-5	000NONPJ	matrix spike, RPD	1/26/2017	Anion	Perchlorate	n/a	=	7	%	EPA 314.0	-88	-88	0	15	
2016/17-5	Lab	method blank	1/26/2017	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-5	Lab	LCS	1/26/2017	Anion	Perchlorate	n/a	=	9.4	µg/L	EPA 314.0	0.95	2			
2016/17-5	Lab	LCS, rec	1/26/2017	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	85	115	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Anion	Sulfate	Total	=	144	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike	1/23/2017	Anion	Sulfate	Total	=	137	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Anion	Sulfate	Total	=	144	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Anion	Sulfate	Total	=	137	mg/L	EPA 300.0	1	5			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	78	111	
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	78	111	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Anion	Sulfate	Total	=	0.007	%	EPA 300.0	-88	-88	0	20	
2016/17-5	Lab	LCS	1/23/2017	Anion	Sulfate	Total	=	10.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-5	Lab	LCS, rec	1/23/2017	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	90	110	
2016/17-5	Lab	method blank	1/23/2017	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-5	Lab	method blank	1/30/2017	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-5	Lab	LCS	1/30/2017	Cation	Calcium	Total	=	49.5	mg/L	EPA 200.7	0.016	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2016/17-5	MO-CAM	matrix spike	1/30/2017	Cation	Calcium	Total	=	54	mg/L	EPA 200.7	0.016	0.1			
2016/17-5	MO-CAM	matrix spike, rec	1/30/2017	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike dup	1/30/2017	Cation	Calcium	Total	=	53.8	mg/L	EPA 200.7	0.016	0.1			
2016/17-5	MO-CAM	matrix spike dup, rec	1/30/2017	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike, RPD	1/30/2017	Cation	Calcium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-5	Lab	LCS	1/30/2017	Cation	Magnesium	Total	=	50.7	mg/L	EPA 200.7	0.012	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2016/17-5	MO-CAM	matrix spike	1/30/2017	Cation	Magnesium	Total	=	50.7	mg/L	EPA 200.7	0.012	0.1			
2016/17-5	MO-CAM	matrix spike, rec	1/30/2017	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike dup	1/30/2017	Cation	Magnesium	Total	=	50.6	mg/L	EPA 200.7	0.012	0.1			
2016/17-5	MO-CAM	matrix spike dup, rec	1/30/2017	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike, RPD	1/30/2017	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-5	Lab	LCS	1/30/2017	Cation	Potassium	Total	=	50.9	mg/L	EPA 200.7	0.081	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2016/17-5	MO-CAM	matrix spike	1/30/2017	Cation	Potassium	Total	=	51.4	mg/L	EPA 200.7	0.081	0.1			
2016/17-5	MO-CAM	matrix spike, rec	1/30/2017	Cation	Potassium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike dup	1/30/2017	Cation	Potassium	Total	=	51.4	mg/L	EPA 200.7	0.081	0.1			
2016/17-5	MO-CAM	matrix spike dup, rec	1/30/2017	Cation	Potassium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike, RPD	1/30/2017	Cation	Potassium	Total	=	0.06	%	EPA 200.7	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2016/17-5	Lab	LCS	1/30/2017	Cation	Sodium	Total	=	48.8	mg/L	EPA 200.7	0.015	0.5			
2016/17-5	Lab	LCS, rec	1/30/2017	Cation	Sodium	Total	=	97	%	EPA 200.7	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-CAM	matrix spike	1/30/2017	Cation	Sodium	Total	=	52.2	mg/L	EPA 200.7	0.015	0.5			
2016/17-5	MO-CAM	matrix spike, rec	1/30/2017	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike dup	1/30/2017	Cation	Sodium	Total	=	52	mg/L	EPA 200.7	0.015	0.5			
2016/17-5	MO-CAM	matrix spike dup, rec	1/30/2017	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike, RPD	1/30/2017	Cation	Sodium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2016/17-5	000NONPJ	lab duplicate	2/1/2017	Conventional	Alkalinity as CaCO3	n/a	=	22.8	mg/L	SM 2320 B	0.56	2		15	
2016/17-5	Lab	LCS	1/29/2017	Conventional	Alkalinity as CaCO3	n/a	=	251	mg/L	SM 2320 B	0.56	10			
2016/17-5	Lab	LCS, rec	1/29/2017	Conventional	Alkalinity as CaCO3	n/a	=	100	%	SM 2320 B	-88	-88	94	108	
2016/17-5	Lab	method blank	1/29/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.37	mg/L	SM 2320 B	0.56	10			IP
2016/17-5	Lab	LCS	2/1/2017	Conventional	Alkalinity as CaCO3	n/a	=	249	mg/L	SM 2320 B	0.56	2			
2016/17-5	Lab	LCS, rec	2/1/2017	Conventional	Alkalinity as CaCO3	n/a	=	100	%	SM 2320 B	-88	-88	94	108	
2016/17-5	Lab	method blank	2/1/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.03	mg/L	SM 2320 B	0.56	2			IP
2016/17-5	ME-VR2	lab duplicate	1/29/2017	Conventional	Alkalinity as CaCO3	n/a	=	295	mg/L	SM 2320 B	0.56	10		15	
2016/17-5	000NONPJ	lab duplicate	1/31/2017	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2016/17-5	Lab	LCS	1/31/2017	Conventional	BOD	n/a	=	202	mg/L	SM 5210 B	2	2			
2016/17-5	Lab	LCS, rec	1/31/2017	Conventional	BOD	n/a	=	102	%	SM 5210 B	-88	-88	85	115	
2016/17-5	000NONPJ	lab duplicate	1/26/2017	Conventional	COD	n/a	=	618	mg/L	EPA 410.4	1.5	10		15	
2016/17-5	Lab	LCS	1/26/2017	Conventional	COD	n/a	=	108	mg/L	EPA 410.4	0.73	5			
2016/17-5	Lab	LCS, rec	1/26/2017	Conventional	COD	n/a	=	108	%	EPA 410.4	-88	-88	90	110	
2016/17-5	Lab	method blank	1/26/2017	Conventional	COD	n/a	DNQ	2.88	mg/L	EPA 410.4	0.73	5			IP
2016/17-5	ME-VR2	matrix spike	1/26/2017	Conventional	COD	n/a	=	236	mg/L	EPA 410.4	1.5	10			
2016/17-5	ME-VR2	matrix spike dup	1/26/2017	Conventional	COD	n/a	=	231	mg/L	EPA 410.4	1.5	10			
2016/17-5	ME-VR2	matrix spike dup, rec	1/26/2017	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike, rec	1/26/2017	Conventional	COD	n/a	=	106	%	EPA 410.4	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike, RPD	1/26/2017	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2016/17-5	000NONPJ	matrix spike	1/31/2017	Conventional	Cyanide	Total	=	0.0552	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	000NONPJ	matrix spike dup	1/31/2017	Conventional	Cyanide	Total	=	0.0563	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	000NONPJ	matrix spike dup, rec	1/31/2017	Conventional	Cyanide	Total	=	105	%	ASTM D7511	-88	-88	64	136	
2016/17-5	000NONPJ	matrix spike, rec	1/31/2017	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2016/17-5	000NONPJ	matrix spike, RPD	1/31/2017	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2016/17-5	000NONPJ	matrix spike	2/2/2017	Conventional	Cyanide	Total	=	0.0494	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	000NONPJ	matrix spike	2/2/2017	Conventional	Cyanide	Total	=	0.0525	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	000NONPJ	matrix spike dup	2/2/2017	Conventional	Cyanide	Total	=	0.0532	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	000NONPJ	matrix spike dup	2/2/2017	Conventional	Cyanide	Total	=	0.0499	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	000NONPJ	matrix spike dup, rec	2/2/2017	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2016/17-5	000NONPJ	matrix spike dup, rec	2/2/2017	Conventional	Cyanide	Total	=	104	%	ASTM D7511	-88	-88	64	136	
2016/17-5	000NONPJ	matrix spike, rec	2/2/2017	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2016/17-5	000NONPJ	matrix spike, rec	2/2/2017	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	64	136	
2016/17-5	000NONPJ	matrix spike, RPD	2/2/2017	Conventional	Cyanide	Total	=	0.8	%	ASTM D7511	-88	-88	0	47	
2016/17-5	000NONPJ	matrix spike, RPD	2/2/2017	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2016/17-5	Lab	LCS	1/31/2017	Conventional	Cyanide	Total	=	0.05	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	Lab	LCS, rec	1/31/2017	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	84	116	
2016/17-5	Lab	method blank	1/31/2017	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	Lab	LCS	2/2/2017	Conventional	Cyanide	Total	=	0.0517	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	Lab	LCS, rec	2/2/2017	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	84	116	
2016/17-5	Lab	method blank	2/2/2017	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-5	Lab	LCS	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.14	mg/L	SM 5310 C	0.5	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, rec	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	103	%	SM 5310 C	-88	-88	85	115	
2016/17-5	Lab	method blank	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-5	MO-OJA	matrix spike	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	8.96	mg/L	SM 5310 C	0.5	0.5			
2016/17-5	MO-OJA	matrix spike dup	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.3	mg/L	SM 5310 C	0.5	0.5			GB
2016/17-5	MO-OJA	matrix spike dup, rec	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	127	%	SM 5310 C	-88	-88	80	116	GB
2016/17-5	MO-OJA	matrix spike, rec	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 C	-88	-88	80	116	
2016/17-5	MO-OJA	matrix spike, RPD	1/31/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	14	%	SM 5310 C	-88	-88	0	20	GB
2016/17-5	Lab	LCS	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	4.89	mg/L	SM 5310 C	0.013	0.3			
2016/17-5	Lab	LCS, rec	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	98	%	SM 5310 C	-88	-88	85	115	
2016/17-5	Lab	method blank	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.043	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-5	Lab	LCS	2/1/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	10.1	mg/L	SM 5310 C	0.013	0.3			
2016/17-5	Lab	LCS, rec	2/1/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	101	%	SM 5310 C	-88	-88	85	115	
2016/17-5	Lab	method blank	2/1/2017	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0823	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-5	ME-SCR	matrix spike	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 C	0.013	0.3			
2016/17-5	ME-SCR	matrix spike dup	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	10.7	mg/L	SM 5310 C	0.013	0.3			
2016/17-5	ME-SCR	matrix spike dup, rec	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	97	%	SM 5310 C	-88	-88	75	113	
2016/17-5	ME-SCR	matrix spike, rec	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	103	%	SM 5310 C	-88	-88	75	113	
2016/17-5	ME-SCR	matrix spike, RPD	1/30/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	3	%	SM 5310 C	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike	1/20/2017	Conventional	MBAS	n/a	=	0.286	mg/L	SM 5540 C	0.019	0.05			
2016/17-5	000NONPJ	matrix spike dup	1/20/2017	Conventional	MBAS	n/a	=	0.309	mg/L	SM 5540 C	0.019	0.05			
2016/17-5	000NONPJ	matrix spike dup, rec	1/20/2017	Conventional	MBAS	n/a	=	109	%	SM 5540 C	-88	-88	74	123	
2016/17-5	000NONPJ	matrix spike, rec	1/20/2017	Conventional	MBAS	n/a	=	98	%	SM 5540 C	-88	-88	74	123	
2016/17-5	000NONPJ	matrix spike, RPD	1/20/2017	Conventional	MBAS	n/a	=	8	%	SM 5540 C	-88	-88	0	20	
2016/17-5	Lab	LCS	1/20/2017	Conventional	MBAS	n/a	=	0.188	mg/L	SM 5540 C	0.019	0.05			
2016/17-5	Lab	LCS, rec	1/20/2017	Conventional	MBAS	n/a	=	94	%	SM 5540 C	-88	-88	82	115	
2016/17-5	Lab	method blank	1/20/2017	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-5	Lab	method blank	1/27/2017	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-5	Lab	LCS	1/27/2017	Conventional	Phenolics	n/a	=	0.098	mg/L	EPA 420.4	0.0042	0.01			
2016/17-5	Lab	LCS, rec	1/27/2017	Conventional	Phenolics	n/a	=	98	%	EPA 420.4	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike	1/27/2017	Conventional	Phenolics	n/a	=	0.245	mg/L	EPA 420.4	0.0042	0.01			
2016/17-5	ME-VR2	matrix spike, rec	1/27/2017	Conventional	Phenolics	n/a	=	98	%	EPA 420.4	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike dup	1/27/2017	Conventional	Phenolics	n/a	=	0.248	mg/L	EPA 420.4	0.0042	0.01			
2016/17-5	ME-VR2	matrix spike dup, rec	1/27/2017	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike, RPD	1/27/2017	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2016/17-5	000NONPJ	lab duplicate	1/23/2017	Conventional	Specific Conductance	n/a	=	67.6	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-5	000NONPJ	lab duplicate	1/28/2017	Conventional	Specific Conductance	n/a	=	29.8	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-5	Lab	LCS	1/23/2017	Conventional	Specific Conductance	n/a	=	195	µmhos/cm	SM 2510 B	0.23	2			
2016/17-5	Lab	LCS, rec	1/23/2017	Conventional	Specific Conductance	n/a	=	98	%	SM 2510 B	-88	-88	95	105	
2016/17-5	Lab	method blank	1/23/2017	Conventional	Specific Conductance	n/a	DNQ	0.59	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-5	Lab	LCS	1/28/2017	Conventional	Specific Conductance	n/a	=	204	µmhos/cm	SM 2510 B	0.23	2			
2016/17-5	Lab	LCS, rec	1/28/2017	Conventional	Specific Conductance	n/a	=	102	%	SM 2510 B	-88	-88	95	105	
2016/17-5	Lab	method blank	1/28/2017	Conventional	Specific Conductance	n/a	DNQ	0.92	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-5	000NONPJ	lab duplicate	1/24/2017	Conventional	Total Dissolved Solids	n/a	=	846	mg/L	SM 2540 C	4	10		10	
2016/17-5	000NONPJ	lab duplicate	1/25/2017	Conventional	Total Dissolved Solids	n/a	=	63	mg/L	SM 2540 C	4	10		10	
2016/17-5	000NONPJ	lab duplicate	1/25/2017	Conventional	Total Dissolved Solids	n/a	=	288	mg/L	SM 2540 C	4	10		10	
2016/17-5	Lab	LCS	1/24/2017	Conventional	Total Dissolved Solids	n/a	=	797	mg/L	SM 2540 C	4	10			
2016/17-5	Lab	LCS, rec	1/24/2017	Conventional	Total Dissolved Solids	n/a	=	97	%	SM 2540 C	-88	-88	96	102	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	1/24/2017	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-5	Lab	LCS	1/25/2017	Conventional	Total Dissolved Solids	n/a	=	815	mg/L	SM 2540 C	4	10			
2016/17-5	Lab	LCS, rec	1/25/2017	Conventional	Total Dissolved Solids	n/a	=	99	%	SM 2540 C	-88	-88	96	102	
2016/17-5	Lab	method blank	1/25/2017	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-5	ME-VR2	lab duplicate	1/24/2017	Conventional	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10		10	
2016/17-5	000NONPJ	matrix spike	1/24/2017	Conventional	Total Organic Carbon	n/a	=	8.5	mg/L	SM 5310 C	0.009	0.3			
2016/17-5	000NONPJ	matrix spike dup	1/24/2017	Conventional	Total Organic Carbon	n/a	=	9.18	mg/L	SM 5310 C	0.009	0.3			
2016/17-5	000NONPJ	matrix spike dup, rec	1/24/2017	Conventional	Total Organic Carbon	n/a	=	111	%	SM 5310 C	-88	-88	80	116	
2016/17-5	000NONPJ	matrix spike, rec	1/24/2017	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	80	116	
2016/17-5	000NONPJ	matrix spike, RPD	1/24/2017	Conventional	Total Organic Carbon	n/a	=	8	%	SM 5310 C	-88	-88	0	20	
2016/17-5	Lab	LCS	1/24/2017	Conventional	Total Organic Carbon	n/a	=	5.06	mg/L	SM 5310 C	0.009	0.3			
2016/17-5	Lab	LCS	1/24/2017	Conventional	Total Organic Carbon	n/a	=	10.5	mg/L	SM 5310 C	0.009	0.3			
2016/17-5	Lab	LCS, rec	1/24/2017	Conventional	Total Organic Carbon	n/a	=	105	%	SM 5310 C	-88	-88	85	115	
2016/17-5	Lab	LCS, rec	1/24/2017	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 C	-88	-88	85	115	
2016/17-5	Lab	method blank	1/24/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.0571	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-5	Lab	method blank	1/24/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.0985	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-5	000NONPJ	lab duplicate	1/20/2017	Conventional	Total Suspended Solids	n/a	=	62	mg/L	SM 2540 D	-88	5		20	
2016/17-5	000NONPJ	lab duplicate	1/20/2017	Conventional	Total Suspended Solids	n/a	=	354	mg/L	SM 2540 D	-88	5		20	
2016/17-5	Lab	LCS	1/20/2017	Conventional	Total Suspended Solids	n/a	=	248	mg/L	SM 2540 D	-88	5			
2016/17-5	Lab	LCS, rec	1/20/2017	Conventional	Total Suspended Solids	n/a	=	104	%	SM 2540 D	-88	-88	90	110	
2016/17-5	Lab	method blank	1/20/2017	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-5	Lab	LCS	1/20/2017	Conventional	Turbidity	n/a	=	7.32	NTU	EPA 180.1	0.024	0.1			
2016/17-5	Lab	LCS, rec	1/20/2017	Conventional	Turbidity	n/a	=	99	%	EPA 180.1	-88	-88	90	110	
2016/17-5	Lab	method blank	1/20/2017	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-5	MO-CAM	lab duplicate	1/20/2017	Conventional	Turbidity	n/a	=	17.2	NTU	EPA 180.1	0.024	0.1		10	
2016/17-5	000NONPJ	lab duplicate	1/20/2017	Conventional	Volatile Suspended Solids	n/a	=	62	mg/L	EPA 160.4	3.1	5		15	
2016/17-5	000NONPJ	lab duplicate	1/20/2017	Conventional	Volatile Suspended Solids	n/a	=	66	mg/L	EPA 160.4	3.1	5		15	
2016/17-5	Lab	method blank	1/20/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-5	Lab	method blank	1/30/2017	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0456	mg/L	EPA 8015D	0.024	0.1			IP
2016/17-5	Lab	LCS	1/30/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.458	mg/L	EPA 8015D	0.024	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Hydrocarbon	Diesel Range Organics	n/a	=	92	%	EPA 8015D	-88	-88	56	136	
2016/17-5	Lab	method blank	2/1/2017	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0547	mg/L	EPA 8015D	0.024	0.1			IP
2016/17-5	Lab	LCS	2/1/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.489	mg/L	EPA 8015D	0.024	0.1			
2016/17-5	Lab	LCS, rec	2/1/2017	Hydrocarbon	Diesel Range Organics	n/a	=	98	%	EPA 8015D	-88	-88	56	136	
2016/17-5	Lab	LCS dup	2/1/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.496	mg/L	EPA 8015D	0.024	0.1			
2016/17-5	Lab	LCS dup, rec	2/1/2017	Hydrocarbon	Diesel Range Organics	n/a	=	99	%	EPA 8015D	-88	-88	56	136	
2016/17-5	Lab	LCS, RPD	2/1/2017	Hydrocarbon	Diesel Range Organics	n/a	=	1	%	EPA 8015D	-88	-88	0	25	
2016/17-5	Lab	LCS	1/20/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.11	mg/L	EPA 8015D	0.044	0.1			
2016/17-5	Lab	LCS, rec	1/20/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	111	%	EPA 8015D	-88	-88	75	123	
2016/17-5	Lab	LCS dup	1/20/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.14	mg/L	EPA 8015D	0.044	0.1			
2016/17-5	Lab	LCS dup, rec	1/20/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	114	%	EPA 8015D	-88	-88	75	123	
2016/17-5	Lab	LCS, RPD	1/20/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	3	%	EPA 8015D	-88	-88	0	25	
2016/17-5	Lab	method blank	1/20/2017	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-5	Lab	srgt method blank	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.286	mg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2016/17-5	Lab	srgt LCS	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.29	mg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	srgt method blank	2/1/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.236	mg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/1/2017	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015D	-88	-88	64	155	
2016/17-5	Lab	srgt LCS	2/1/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.262	mg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/1/2017	Hydrocarbon	n-Tetracosane	n/a	=	105	%	EPA 8015D	-88	-88	64	155	
2016/17-5	Lab	srgt LCS dup	2/1/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.269	mg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/1/2017	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2016/17-5	ME-SCR	srgt environ	2/2/2017	Hydrocarbon	n-Tetracosane	n/a	=	2.69	mg/L	EPA 8015D	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/2/2017	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2016/17-5	ME-VR2	srgt environ	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.316	mg/L	EPA 8015D	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	126	%	EPA 8015D	-88	-88	64	155	
2016/17-5	MO-CAM	srgt environ	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.314	mg/L	EPA 8015D	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	125	%	EPA 8015D	-88	-88	64	155	
2016/17-5	MO-HUE	srgt environ	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.316	mg/L	EPA 8015D	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	126	%	EPA 8015D	-88	-88	64	155	
2016/17-5	MO-MEI	srgt environ	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.304	mg/L	EPA 8015D	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015D	-88	-88	64	155	
2016/17-5	MO-OJA	srgt environ	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.312	mg/L	EPA 8015D	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	125	%	EPA 8015D	-88	-88	64	155	
2016/17-5	MO-VEN	srgt environ	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.324	mg/L	EPA 8015D	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	1/30/2017	Hydrocarbon	n-Tetracosane	n/a	=	130	%	EPA 8015D	-88	-88	64	155	
2016/17-5	Lab	LCS	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	18.5	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	1/24/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.5	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	18.9	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup, rec	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, RPD	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2016/17-5	Lab	method blank	1/24/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	1/26/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.6	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	17.2	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	17.7	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup, rec	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, RPD	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	3	%	EPA 1664A	-88	-88	0	18	
2016/17-5	Lab	method blank	1/26/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	17.7	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	1/31/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.9	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	17.1	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, RPD	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	3	%	EPA 1664A	-88	-88	0	18	
2016/17-5	Lab	method blank	1/31/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	19.2	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS	2/2/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.7	mg/L	EPA 1664A	1.3	5			
2016/17-5	Lab	LCS dup	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	18.8	mg/L	EPA 1664A	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS dup, rec	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, rec	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	LCS, RPD	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2016/17-5	Lab	method blank	2/2/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-5	ME-SCR	matrix spike	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	20.9	mg/L	EPA 1664A	1.3	5			
2016/17-5	ME-SCR	matrix spike, rec	2/2/2017	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-5	ME-VR2	matrix spike	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	18.7	mg/L	EPA 1664A	1.3	5			
2016/17-5	ME-VR2	matrix spike, rec	1/24/2017	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2016/17-5	MO-MEI	matrix spike	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	21.4	mg/L	EPA 1664A	1.3	5			
2016/17-5	MO-MEI	matrix spike, rec	1/31/2017	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2016/17-5	MO-OJA	matrix spike	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	22.7	mg/L	EPA 1664A	1.3	5			
2016/17-5	MO-OJA	matrix spike, rec	1/26/2017	Hydrocarbon	Oil and Grease	n/a	=	81	%	EPA 1664A	-88	-88	78	114	
2016/17-5	Lab	method blank	1/30/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-5	Lab	method blank	2/1/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-5	Lab	method blank	2/6/2017	Metal	Aluminum	Dissolved	DNQ	1.58	µg/L	EPA 200.8	1.3	5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Aluminum	Dissolved	=	53.9	µg/L	EPA 200.8	1.3	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Aluminum	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Aluminum	Dissolved	DNQ	1.82	µg/L	EPA 200.8	1.3	5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Aluminum	Dissolved	=	53.8	µg/L	EPA 200.8	1.3	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Aluminum	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Aluminum	Total	DNQ	1.43	µg/L	EPA 200.8	1.3	5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Aluminum	Total	=	53.9	µg/L	EPA 200.8	1.3	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Aluminum	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Aluminum	Total	DNQ	1.6	µg/L	EPA 200.8	1.3	5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Aluminum	Total	=	53.8	µg/L	EPA 200.8	1.3	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Aluminum	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Aluminum	Total	=	807	µg/L	EPA 200.8	1.3	5			GB
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Aluminum	Total	=	235	%	EPA 200.8	-88	-88	70	130	GB
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Aluminum	Total	=	816	µg/L	EPA 200.8	1.3	5			GB
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Aluminum	Total	=	253	%	EPA 200.8	-88	-88	70	130	GB
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	GB
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Aluminum	Total	=	2030	µg/L	EPA 200.8	1.3	5			GB
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Aluminum	Total	=	-32	%	EPA 200.8	-88	-88	70	130	GB
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Aluminum	Total	=	1990	µg/L	EPA 200.8	1.3	5			GB
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Aluminum	Total	=	-12	%	EPA 200.8	-88	-88	70	130	GB
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	GB
2016/17-5	Lab	method blank	2/6/2017	Metal	Antimony	Dissolved	DNQ	0.167	µg/L	EPA 200.8	0.045	0.5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Antimony	Dissolved	=	48.7	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Antimony	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	Lab	LCS	2/6/2017	Metal	Antimony	Dissolved	=	48.4	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Antimony	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Antimony	Total	DNQ	0.0869	µg/L	EPA 200.8	0.045	0.5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Antimony	Total	=	48.7	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS	2/6/2017	Metal	Antimony	Total	=	48.4	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Antimony	Total	=	45.3	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Antimony	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Antimony	Total	=	44.8	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Antimony	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Antimony	Total	=	46	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Antimony	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Antimony	Total	=	44	µg/L	EPA 200.8	0.045	0.5			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Antimony	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Antimony	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Arsenic	Dissolved	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Arsenic	Dissolved	=	50	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Arsenic	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Arsenic	Total	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Arsenic	Total	=	50	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Arsenic	Total	=	48.8	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Arsenic	Total	=	48.9	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Arsenic	Total	=	0.09	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Arsenic	Total	=	49.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Arsenic	Total	=	46.5	µg/L	EPA 200.8	0.074	0.4			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Arsenic	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Arsenic	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	Lab	LCS	2/6/2017	Metal	Barium	Total	=	49.3	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Barium	Total	DNQ	0.28	µg/L	EPA 200.8	0.071	0.5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Barium	Total	=	49.5	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Barium	Total	=	117	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Barium	Total	=	117	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Barium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Barium	Total	=	88.5	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Barium	Total	=	107	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Barium	Total	=	82.1	µg/L	EPA 200.8	0.071	0.5			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Barium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Barium	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Beryllium	Dissolved	=	48.9	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Beryllium	Dissolved	=	49.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Beryllium	Total	=	48.9	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Beryllium	Total	=	49.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Beryllium	Total	=	53.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Beryllium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Beryllium	Total	=	51.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Beryllium	Total	=	51.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Beryllium	Total	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Beryllium	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Cadmium	Dissolved	=	49.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Cadmium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Cadmium	Dissolved	=	49	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Cadmium	Total	=	49.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS	2/6/2017	Metal	Cadmium	Total	=	49	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Cadmium	Total	=	44.3	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Cadmium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Cadmium	Total	=	45	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Cadmium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Cadmium	Total	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Cadmium	Total	=	46.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Cadmium	Total	=	7	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	2/6/2017	Metal	Chromium	Dissolved	DNQ	0.127	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Chromium	Dissolved	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Chromium	Dissolved	DNQ	0.139	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Chromium	Dissolved	=	49.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Chromium	Total	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Chromium	Total	DNQ	0.0365	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Chromium	Total	=	49.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Chromium	Total	=	49	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Chromium	Total	=	49.3	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Chromium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Chromium	Total	=	53.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Chromium	Total	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Chromium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Chromium	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	2/2/2017	Metal	Chromium VI	n/a	=	9.07	µg/L	EPA 218.6	0.0048	0.02			
2016/17-5	000NONPJ	matrix spike dup	2/2/2017	Metal	Chromium VI	n/a	=	8.8	µg/L	EPA 218.6	0.0048	0.02			
2016/17-5	000NONPJ	matrix spike dup, rec	2/2/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2016/17-5	000NONPJ	matrix spike, rec	2/2/2017	Metal	Chromium VI	n/a	=	108	%	EPA 218.6	-88	-88	88	112	
2016/17-5	000NONPJ	matrix spike, RPD	2/2/2017	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2016/17-5	Lab	method blank	2/2/2017	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-5	Lab	LCS	2/2/2017	Metal	Chromium VI	n/a	=	5.3	µg/L	EPA 218.6	0.0048	0.02			
2016/17-5	Lab	LCS, rec	2/2/2017	Metal	Chromium VI	n/a	=	106	%	EPA 218.6	-88	-88	90	110	
2016/17-5	Lab	method blank	2/6/2017	Metal	Copper	Dissolved	DNQ	0.317	µg/L	EPA 200.8	0.13	0.5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Copper	Dissolved	=	49.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Copper	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Copper	Dissolved	DNQ	0.283	µg/L	EPA 200.8	0.13	0.5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Copper	Dissolved	=	49.4	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Copper	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	Lab	LCS	2/6/2017	Metal	Copper	Total	=	49.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Copper	Total	DNQ	0.424	µg/L	EPA 200.8	0.13	0.5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Copper	Total	=	49.4	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Copper	Total	=	46.8	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Copper	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Copper	Total	=	46.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Copper	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Copper	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Copper	Total	=	61.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Copper	Total	=	58.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Copper	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Copper	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Metal	Iron	Dissolved	DNQ	2.71	µg/L	EPA 200.7	1.1	10			IP
2016/17-5	Lab	LCS	1/30/2017	Metal	Iron	Dissolved	=	199	µg/L	EPA 200.7	1.1	10			
2016/17-5	Lab	LCS, rec	1/30/2017	Metal	Iron	Dissolved	=	100	%	EPA 200.7	-88	-88	85	115	
2016/17-5	Lab	method blank	1/30/2017	Metal	Iron	Dissolved	DNQ	2.22	µg/L	EPA 200.7	1.1	10			IP
2016/17-5	Lab	LCS	1/30/2017	Metal	Iron	Dissolved	=	197	µg/L	EPA 200.7	1.1	10			
2016/17-5	Lab	LCS, rec	1/30/2017	Metal	Iron	Dissolved	=	98	%	EPA 200.7	-88	-88	85	115	
2016/17-5	Lab	method blank	1/30/2017	Metal	Iron	Total	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2016/17-5	Lab	LCS	1/30/2017	Metal	Iron	Total	=	199	µg/L	EPA 200.7	1.1	10			
2016/17-5	Lab	LCS, rec	1/30/2017	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2016/17-5	MO-CAM	matrix spike	1/30/2017	Metal	Iron	Total	=	1640	µg/L	EPA 200.7	1.1	10			
2016/17-5	MO-CAM	matrix spike, rec	1/30/2017	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike dup	1/30/2017	Metal	Iron	Total	=	1680	µg/L	EPA 200.7	1.1	10			
2016/17-5	MO-CAM	matrix spike dup, rec	1/30/2017	Metal	Iron	Total	=	121	%	EPA 200.7	-88	-88	70	130	
2016/17-5	MO-CAM	matrix spike, RPD	1/30/2017	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Lead	Dissolved	=	49.6	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Lead	Dissolved	DNQ	0.0332	µg/L	EPA 200.8	0.031	0.2			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Lead	Dissolved	=	48.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Lead	Total	=	49.6	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Lead	Total	=	48.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Lead	Total	=	47.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Lead	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Lead	Total	=	47.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Lead	Total	=	57.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Lead	Total	=	53.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Lead	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Lead	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/26/2017	Metal	Mercury	Dissolved	=	929	ng/L	EPA 245.1	17	50			
2016/17-5	000NONPJ	matrix spike, rec	1/26/2017	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/26/2017	Metal	Mercury	Dissolved	=	961	ng/L	EPA 245.1	17	50			
2016/17-5	000NONPJ	matrix spike dup, rec	1/26/2017	Metal	Mercury	Dissolved	=	94	%	EPA 245.1	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/26/2017	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-5	Lab	method blank	1/26/2017	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS	1/26/2017	Metal	Mercury	Dissolved	=	997	ng/L	EPA 245.1	17	50			
2016/17-5	Lab	LCS, rec	1/26/2017	Metal	Mercury	Dissolved	=	100	%	EPA 245.1	-88	-88	85	115	
2016/17-5	MO-OJA	matrix spike dup	1/26/2017	Metal	Mercury	Dissolved	=	912	ng/L	EPA 245.1	17	50			
2016/17-5	MO-OJA	matrix spike dup, rec	1/26/2017	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-5	MO-OJA	matrix spike, RPD	1/26/2017	Metal	Mercury	Dissolved	=	0.7	%	EPA 245.1	-88	-88	0	20	
2016/17-5	MO-OJA	matrix spike	1/26/2017	Metal	Mercury	Dissolved	=	906	ng/L	EPA 245.1	17	50			
2016/17-5	MO-OJA	matrix spike, rec	1/26/2017	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/26/2017	Metal	Mercury	Total	=	929	ng/L	EPA 245.1	17	50			
2016/17-5	000NONPJ	matrix spike, rec	1/26/2017	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/26/2017	Metal	Mercury	Total	=	961	ng/L	EPA 245.1	17	50			
2016/17-5	000NONPJ	matrix spike dup, rec	1/26/2017	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/26/2017	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-5	Lab	method blank	1/26/2017	Metal	Mercury	Total	<	177	ng/L	EPA 245.1	17	50			
2016/17-5	Lab	LCS	1/26/2017	Metal	Mercury	Total	=	997	ng/L	EPA 245.1	17	50			
2016/17-5	Lab	LCS, rec	1/26/2017	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	85	115	
2016/17-5	MO-OJA	matrix spike dup	1/26/2017	Metal	Mercury	Total	=	912	ng/L	EPA 245.1	17	50			
2016/17-5	MO-OJA	matrix spike dup, rec	1/26/2017	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2016/17-5	MO-OJA	matrix spike, RPD	1/26/2017	Metal	Mercury	Total	=	0.7	%	EPA 245.1	-88	-88	0	20	
2016/17-5	MO-OJA	matrix spike	1/26/2017	Metal	Mercury	Total	=	906	ng/L	EPA 245.1	17	50			
2016/17-5	MO-OJA	matrix spike, rec	1/26/2017	Metal	Mercury	Total	=	86	%	EPA 245.1	-88	-88	70	130	
2016/17-5	Lab	method blank	2/6/2017	Metal	Nickel	Dissolved	DNQ	0.149	µg/L	EPA 200.8	0.045	0.8			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Nickel	Dissolved	=	49.5	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Nickel	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Nickel	Dissolved	DNQ	0.0669	µg/L	EPA 200.8	0.045	0.8			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Nickel	Dissolved	=	49.1	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Nickel	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Nickel	Total	DNQ	0.0491	µg/L	EPA 200.8	0.045	0.8			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Nickel	Total	=	49.5	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	Lab	LCS	2/6/2017	Metal	Nickel	Total	=	49.1	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Nickel	Total	=	48.6	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Nickel	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Nickel	Total	=	48.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Nickel	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Nickel	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Nickel	Total	=	52.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Nickel	Total	=	50.4	µg/L	EPA 200.8	0.045	0.8			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Nickel	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Nickel	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Selenium	Dissolved	=	47.9	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Selenium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Selenium	Dissolved	=	47.6	µg/L	EPA 200.8	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Selenium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Selenium	Total	=	47.9	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS	2/6/2017	Metal	Selenium	Total	=	47.6	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Selenium	Total	=	47.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Selenium	Total	=	46.6	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Selenium	Total	=	47.2	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Selenium	Total	=	44.4	µg/L	EPA 200.8	0.14	0.4			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Selenium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Selenium	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Silver	Dissolved	=	49.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Silver	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Silver	Dissolved	=	47.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Silver	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Silver	Total	=	49.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Silver	Total	=	47.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Silver	Total	=	42.7	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Silver	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Silver	Total	=	42.7	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Silver	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Silver	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Silver	Total	=	47.7	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.062	0.2			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Silver	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Thallium	Dissolved	=	50.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Thallium	Dissolved	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Thallium	Total	=	50.4	µg/L	EPA 200.8	0.014	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS	2/6/2017	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Thallium	Total	=	48	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Thallium	Total	=	48.3	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Thallium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Thallium	Total	=	50.2	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Thallium	Total	=	47.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Thallium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Metal	Zinc	Dissolved	DNQ	1.67	µg/L	EPA 200.8	0.94	5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Zinc	Dissolved	=	53.2	µg/L	EPA 200.8	0.94	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Zinc	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Zinc	Dissolved	DNQ	0.992	µg/L	EPA 200.8	0.94	5			IP
2016/17-5	Lab	LCS	2/6/2017	Metal	Zinc	Dissolved	=	53.8	µg/L	EPA 200.8	0.94	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Zinc	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-5	Lab	LCS	2/6/2017	Metal	Zinc	Total	=	53.2	µg/L	EPA 200.8	0.94	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2016/17-5	Lab	method blank	2/6/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-5	Lab	LCS	2/6/2017	Metal	Zinc	Total	=	53.8	µg/L	EPA 200.8	0.94	5			
2016/17-5	Lab	LCS, rec	2/6/2017	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2016/17-5	ME-VR2	matrix spike	2/6/2017	Metal	Zinc	Total	=	50.8	µg/L	EPA 200.8	0.94	5			
2016/17-5	ME-VR2	matrix spike, rec	2/6/2017	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike dup	2/6/2017	Metal	Zinc	Total	=	50.9	µg/L	EPA 200.8	0.94	5			
2016/17-5	ME-VR2	matrix spike dup, rec	2/6/2017	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-5	ME-VR2	matrix spike, RPD	2/6/2017	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-5	MO-VEN	matrix spike	2/6/2017	Metal	Zinc	Total	=	154	µg/L	EPA 200.8	0.94	5			
2016/17-5	MO-VEN	matrix spike, rec	2/6/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike dup	2/6/2017	Metal	Zinc	Total	=	145	µg/L	EPA 200.8	0.94	5			
2016/17-5	MO-VEN	matrix spike dup, rec	2/6/2017	Metal	Zinc	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-5	MO-VEN	matrix spike, RPD	2/6/2017	Metal	Zinc	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/31/2017	Nutrient	Ammonia as N	n/a	=	0.461	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	000NONPJ	matrix spike	1/31/2017	Nutrient	Ammonia as N	n/a	=	0.359	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	000NONPJ	matrix spike dup	1/31/2017	Nutrient	Ammonia as N	n/a	=	0.369	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	000NONPJ	matrix spike dup	1/31/2017	Nutrient	Ammonia as N	n/a	=	0.467	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/31/2017	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup, rec	1/31/2017	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, rec	1/31/2017	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, rec	1/31/2017	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	1/31/2017	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2016/17-5	000NONPJ	matrix spike, RPD	1/31/2017	Nutrient	Ammonia as N	n/a	=	3	%	EPA 350.1	-88	-88	0	15	
2016/17-5	Lab	LCS	1/31/2017	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.048	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS	1/31/2017	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	Lab	LCS, rec	1/31/2017	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2016/17-5	Lab	LCS, rec	1/31/2017	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-5	Lab	method blank	1/31/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	Lab	method blank	1/31/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-5	000NONPJ	matrix spike	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.041	0.1			
2016/17-5	000NONPJ	matrix spike, rec	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.041	0.1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.16	mg/L	EPA 353.2	0.041	0.1			
2016/17-5	000NONPJ	matrix spike, rec	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.18	mg/L	EPA 353.2	0.041	0.1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2016/17-5	Lab	method blank	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-5	Lab	LCS	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.992	mg/L	EPA 353.2	0.041	0.1			
2016/17-5	Lab	LCS, rec	1/20/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.175	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	000NONPJ	matrix spike, rec	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.174	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	000NONPJ	matrix spike dup, rec	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.6	%	EPA 365.1	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.44	mg/L	EPA 365.1	0.0028	0.02			
2016/17-5	000NONPJ	matrix spike, rec	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	92	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.452	mg/L	EPA 365.1	0.0028	0.02			
2016/17-5	000NONPJ	matrix spike dup, rec	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	3	%	EPA 365.1	-88	-88	0	20	
2016/17-5	000NONPJ	lab duplicate	2/1/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01		20	
2016/17-5	Lab	method blank	2/1/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	Lab	LCS	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0499	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	Lab	LCS, rec	2/1/2017	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.472	mg/L	EPA 365.1	0.0056	0.04			
2016/17-5	000NONPJ	matrix spike, rec	2/1/2017	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.476	mg/L	EPA 365.1	0.0056	0.04			
2016/17-5	000NONPJ	matrix spike dup, rec	2/1/2017	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.8	%	EPA 365.1	-88	-88	0	20	
2016/17-5	Lab	method blank	2/1/2017	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	Lab	LCS	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.0496	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	Lab	LCS, rec	2/1/2017	Nutrient	Phosphorus as P	Total	=	99	%	EPA 365.1	-88	-88	90	110	
2016/17-5	ME-VR2	lab duplicate	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.0956	mg/L	EPA 365.1	0.0014	0.01		20	
2016/17-5	ME-VR2	matrix spike	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.147	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	ME-VR2	matrix spike, rec	2/1/2017	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike dup	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.148	mg/L	EPA 365.1	0.0014	0.01			
2016/17-5	ME-VR2	matrix spike dup, rec	2/1/2017	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-5	ME-VR2	matrix spike, RPD	2/1/2017	Nutrient	Phosphorus as P	Total	=	0.7	%	EPA 365.1	-88	-88	0	20	
2016/17-5	000NONPJ	matrix spike	1/25/2017	Nutrient	TKN	n/a	=	1.32	mg/L	EPA 351.2	0.05	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	000NONPJ	matrix spike	1/25/2017	Nutrient	TKN	n/a	=	1.23	mg/L	EPA 351.2	0.05	0.1			
2016/17-5	000NONPJ	matrix spike dup	1/25/2017	Nutrient	TKN	n/a	=	1.38	mg/L	EPA 351.2	0.05	0.1			GB
2016/17-5	000NONPJ	matrix spike dup	1/25/2017	Nutrient	TKN	n/a	=	1.21	mg/L	EPA 351.2	0.05	0.1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/25/2017	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike dup, rec	1/25/2017	Nutrient	TKN	n/a	=	114	%	EPA 351.2	-88	-88	90	110	GB
2016/17-5	000NONPJ	matrix spike, rec	1/25/2017	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, rec	1/25/2017	Nutrient	TKN	n/a	=	108	%	EPA 351.2	-88	-88	90	110	
2016/17-5	000NONPJ	matrix spike, RPD	1/25/2017	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2016/17-5	000NONPJ	matrix spike, RPD	1/25/2017	Nutrient	TKN	n/a	=	5	%	EPA 351.2	-88	-88	0	10	GB
2016/17-5	Lab	LCS	1/25/2017	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.05	0.1			
2016/17-5	Lab	LCS	1/25/2017	Nutrient	TKN	n/a	=	1.03	mg/L	EPA 351.2	0.05	0.1			
2016/17-5	Lab	LCS, rec	1/25/2017	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2016/17-5	Lab	LCS, rec	1/25/2017	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2016/17-5	Lab	method blank	1/25/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-5	Lab	method blank	1/25/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-5	Lab	method blank	2/11/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	20.9	µg/L	EPA 625	0.55	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	84	%	EPA 625	-88	-88	44	142	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	20.6	µg/L	EPA 625	0.55	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	44	142	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	1,2-Dichlorobenzene	n/a	=	21.4	µg/L	EPA 625	0.57	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	1,2-Dichlorobenzene	n/a	=	86	%	EPA 625	-88	-88	32	129	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	1,2-Dichlorobenzene	n/a	=	20.8	µg/L	EPA 625	0.57	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	1,2-Dichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	32	129	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	1,2-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt LCS	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-5	Lab	srgt LCS dup	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	51	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-5	Lab	srgt method blank	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-5	ME-SCR	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-5	ME-SCR	srgt matrix spike	1/21/2017	Organic	1,2-Dichloroethane-d4	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt matrix spike, rec	1/21/2017	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-5	ME-SCR	srgt matrix spike dup	1/21/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt matrix spike dup, rec	1/21/2017	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-5	ME-VR2	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-5	MO-CAM	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-5	MO-HUE	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	53.2	µg/L	EPA 624	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2016/17-5	MO-MEI	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-OJA	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2016/17-5	MO-VEN	srgt environ	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	1/20/2017	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-5	Lab	method blank	2/11/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	method blank	2/11/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	1,3-Dichlorobenzene	n/a	=	20.9	µg/L	EPA 625	0.53	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	1,3-Dichlorobenzene	n/a	=	84	%	EPA 625	-88	-88	0.1	172	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	1,3-Dichlorobenzene	n/a	=	20.4	µg/L	EPA 625	0.53	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	1,3-Dichlorobenzene	n/a	=	81	%	EPA 625	-88	-88	0.1	172	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	1,3-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt method blank	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.25	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2	-88	-88	73	138	
2016/17-5	Lab	srgt LCS	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.8	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2016/17-5	Lab	srgt LCS dup	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.34	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2	-88	-88	73	138	
2016/17-5	Lab	srgt method blank	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.26	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2	-88	-88	73	138	
2016/17-5	Lab	srgt LCS	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2016/17-5	Lab	srgt LCS dup	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.47	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2	-88	-88	73	138	
2016/17-5	Lab	srgt method blank	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.446	µg/L	EPA 525.2m	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	Lab	srgt LCS	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.48	µg/L	EPA 525.2m	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	ME-SCR	srgt environ	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.35	µg/L	EPA 525.2	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/30/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	73	138	
2016/17-5	ME-SCR	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.486	µg/L	EPA 525.2m	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	ME-VR2	srgt environ	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.74	µg/L	EPA 525.2	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	135	%	EPA 525.2	-88	-88	73	138	
2016/17-5	ME-VR2	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.536	µg/L	EPA 525.2m	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	MO-CAM	srgt environ	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2016/17-5	MO-CAM	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.475	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	MO-HUE	srgt environ	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.62	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	112	%	EPA 525.2	-88	-88	73	138	
2016/17-5	MO-HUE	srgt matrix spike	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.569	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-HUE	srgt matrix spike, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	114	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	MO-HUE	srgt matrix spike dup	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.579	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-HUE	srgt matrix spike dup, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	116	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	MO-HUE	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.519	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-MEI	srgt environ	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2016/17-5	MO-MEI	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.497	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	MO-OJA	srgt environ	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.49	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2	-88	-88	73	138	
2016/17-5	MO-OJA	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.532	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	MO-VEN	srgt environ	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.32	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	1/27/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2016/17-5	MO-VEN	srgt environ	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.51	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/6/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2016/17-5	Lab	method blank	2/11/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	1,4-Dichlorobenzene	n/a	=	22	µg/L	EPA 625	0.55	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	1,4-Dichlorobenzene	n/a	=	88	%	EPA 625	-88	-88	20	124	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	1,4-Dichlorobenzene	n/a	=	21.2	µg/L	EPA 625	0.55	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	1,4-Dichlorobenzene	n/a	=	85	%	EPA 625	-88	-88	20	124	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	method blank	2/8/2017	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2016/17-5	Lab	srgt method blank	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.64	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 8270C	-88	-88	26	117	
2016/17-5	Lab	srgt LCS	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.71	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2016/17-5	Lab	srgt LCS dup	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.07	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 8270C	-88	-88	26	117	
2016/17-5	Lab	srgt method blank	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	43	%	EPA 625	-88	-88	25	102	
2016/17-5	Lab	srgt LCS	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	39.9	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2016/17-5	Lab	srgt LCS dup	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	37.6	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2016/17-5	ME-SCR	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.2	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	34	%	EPA 8270C	-88	-88	26	117	
2016/17-5	ME-SCR	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	39.4	µg/L	EPA 625	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	
2016/17-5	ME-VR2	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.3	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	
2016/17-5	ME-VR2	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	31.2	µg/L	EPA 625	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 625	-88	-88	25	102	
2016/17-5	MO-CAM	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.85	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 8270C	-88	-88	26	117	
2016/17-5	MO-CAM	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	31	µg/L	EPA 625	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 625	-88	-88	25	102	
2016/17-5	MO-HUE	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.82	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2016/17-5	MO-HUE	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	32.9	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625	-88	-88	25	102	
2016/17-5	MO-MEI	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	4.15	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	42	%	EPA 8270C	-88	-88	26	117	
2016/17-5	MO-MEI	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.4	µg/L	EPA 625	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2016/17-5	MO-OJA	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	4.25	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	42	%	EPA 8270C	-88	-88	26	117	
2016/17-5	MO-OJA	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.3	µg/L	EPA 625	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625	-88	-88	25	102	
2016/17-5	MO-VEN	srgt environ	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.8	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/8/2017	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 8270C	-88	-88	26	117	
2016/17-5	MO-VEN	srgt environ	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	27	µg/L	EPA 625	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/11/2017	Organic	2,4,6-Tribromophenol	n/a	=	54	%	EPA 625	-88	-88	25	102	
2016/17-5	Lab	method blank	2/8/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	2,4,6-Trichlorophenol	n/a	=	8.6	µg/L	EPA 8270C	0.3	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	2,4,6-Trichlorophenol	n/a	=	86	%	EPA 8270C	-88	-88	30	115	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	2,4,6-Trichlorophenol	n/a	=	9.64	µg/L	EPA 8270C	0.3	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	2,4,6-Trichlorophenol	n/a	=	96	%	EPA 8270C	-88	-88	30	115	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	2,4,6-Trichlorophenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2,4,6-Trichlorophenol	n/a	=	18.8	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 625	-88	-88	37	144	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2,4,6-Trichlorophenol	n/a	=	19	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2,4,6-Trichlorophenol	n/a	=	76	%	EPA 625	-88	-88	37	144	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2,4,6-Trichlorophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	2,4-Dichlorophenol	n/a	=	7.85	µg/L	EPA 8270C	0.51	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 8270C	-88	-88	32	105	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	2,4-Dichlorophenol	n/a	=	8.57	µg/L	EPA 8270C	0.51	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	2,4-Dichlorophenol	n/a	=	86	%	EPA 8270C	-88	-88	32	105	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	2,4-Dichlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2,4-Dichlorophenol	n/a	=	17.5	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2,4-Dichlorophenol	n/a	=	70	%	EPA 625	-88	-88	39	135	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2,4-Dichlorophenol	n/a	=	18.5	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 625	-88	-88	39	135	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2,4-Dichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-5	000NONPJ	srgt matrix spike	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2016/17-5	000NONPJ	srgt matrix spike, rec	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	srgt matrix spike dup	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2016/17-5	000NONPJ	srgt matrix spike dup, rec	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	srgt matrix spike	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2016/17-5	000NONPJ	srgt matrix spike, rec	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	srgt matrix spike dup	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.4	µg/L	EPA 515.3	-88	-88			
2016/17-5	000NONPJ	srgt matrix spike dup, rec	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	srgt method blank	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	srgt LCS	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-5	ME-SCR	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-5	ME-VR2	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.3	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-5	MO-CAM	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-5	MO-HUE	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-5	MO-MEI	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-5	MO-OJA	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-5	MO-VEN	srgt environ	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	1/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	2/8/2017	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS	2/8/2017	Organic	2,4-Dimethylphenol	n/a	=	5.88	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	2,4-Dimethylphenol	n/a	=	59	%	EPA 8270C	-88	-88	31	97	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	2,4-Dimethylphenol	n/a	=	7.28	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	2,4-Dimethylphenol	n/a	=	73	%	EPA 8270C	-88	-88	31	97	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	2,4-Dimethylphenol	n/a	=	21	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2,4-Dimethylphenol	n/a	=	16.4	µg/L	EPA 625	0.3	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2,4-Dimethylphenol	n/a	=	66	%	EPA 625	-88	-88	32	119	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2,4-Dimethylphenol	n/a	=	16.7	µg/L	EPA 625	0.3	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2,4-Dimethylphenol	n/a	=	67	%	EPA 625	-88	-88	32	119	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2,4-Dimethylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS	2/8/2017	Organic	2,4-Dinitrophenol	n/a	=	9.51	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	2,4-Dinitrophenol	n/a	=	95	%	EPA 8270C	-88	-88	7	155	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	2,4-Dinitrophenol	n/a	=	11.7	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	2,4-Dinitrophenol	n/a	=	117	%	EPA 8270C	-88	-88	7	155	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	2,4-Dinitrophenol	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-5	Lab	LCS	2/11/2017	Organic	2,4-Dinitrophenol	n/a	=	10.7	µg/L	EPA 625	1.6	10			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2,4-Dinitrophenol	n/a	=	43	%	EPA 625	-88	-88	0.1	191	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2,4-Dinitrophenol	n/a	=	11.6	µg/L	EPA 625	1.6	10			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2,4-Dinitrophenol	n/a	=	46	%	EPA 625	-88	-88	0.1	191	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2,4-Dinitrotoluene	n/a	=	19.8	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2,4-Dinitrotoluene	n/a	=	79	%	EPA 625	-88	-88	39	139	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2,4-Dinitrotoluene	n/a	=	18.9	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2,4-Dinitrotoluene	n/a	=	76	%	EPA 625	-88	-88	39	139	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2,4-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS	2/11/2017	Organic	2,6-Dinitrotoluene	n/a	=	17.9	µg/L	EPA 625	0.27	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2,6-Dinitrotoluene	n/a	=	71	%	EPA 625	-88	-88	50	158	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2,6-Dinitrotoluene	n/a	=	17.3	µg/L	EPA 625	0.27	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2,6-Dinitrotoluene	n/a	=	69	%	EPA 625	-88	-88	50	158	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2,6-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	LCS	1/20/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	46.5	µg/L	EPA 624	0.28	1			
2016/17-5	Lab	LCS, rec	1/20/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	93	%	EPA 624	-88	-88	0.1	305	
2016/17-5	Lab	LCS dup	1/20/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	47.1	µg/L	EPA 624	0.28	1			
2016/17-5	Lab	LCS dup, rec	1/20/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	94	%	EPA 624	-88	-88	0.1	305	
2016/17-5	Lab	LCS, RPD	1/20/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	1	%	EPA 624	-88	-88	0	25	
2016/17-5	Lab	method blank	1/20/2017	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-5	ME-SCR	matrix spike	1/21/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	47.9	µg/L	EPA 624	0.28	1			
2016/17-5	ME-SCR	matrix spike, rec	1/21/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	
2016/17-5	ME-SCR	matrix spike dup	1/21/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	44.9	µg/L	EPA 624	0.28	1			
2016/17-5	ME-SCR	matrix spike dup, rec	1/21/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	90	%	EPA 624	-88	-88	0.1	305	
2016/17-5	ME-SCR	matrix spike, RPD	1/21/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	6	%	EPA 624	-88	-88	0	25	
2016/17-5	Lab	method blank	2/11/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2-Chloronaphthalene	n/a	=	22.7	µg/L	EPA 625	0.45	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2-Chloronaphthalene	n/a	=	91	%	EPA 625	-88	-88	60	118	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2-Chloronaphthalene	n/a	=	22.7	µg/L	EPA 625	0.45	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2-Chloronaphthalene	n/a	=	91	%	EPA 625	-88	-88	60	118	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2-Chloronaphthalene	n/a	=	0	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	2-Chlorophenol	n/a	=	7.11	µg/L	EPA 8270C	0.65	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	2-Chlorophenol	n/a	=	71	%	EPA 8270C	-88	-88	27	90	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	2-Chlorophenol	n/a	=	7.48	µg/L	EPA 8270C	0.65	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	2-Chlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	27	90	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	2-Chlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2-Chlorophenol	n/a	=	19.4	µg/L	EPA 625	0.28	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2-Chlorophenol	n/a	=	77	%	EPA 625	-88	-88	23	134	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2-Chlorophenol	n/a	=	19	µg/L	EPA 625	0.28	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2-Chlorophenol	n/a	=	76	%	EPA 625	-88	-88	23	134	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2-Chlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt method blank	2/7/2017	Organic	2-Fluorobiphenyl	n/a	=	3.63	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/7/2017	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270C	-88	-88	51	139	
2016/17-5	Lab	srgt LCS	2/7/2017	Organic	2-Fluorobiphenyl	n/a	=	3.58	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/7/2017	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270C	-88	-88	51	139	
2016/17-5	Lab	srgt LCS dup	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.78	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2016/17-5	Lab	srgt method blank	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	15	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2016/17-5	Lab	srgt LCS	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	93	%	EPA 625	-88	-88	22	107	
2016/17-5	Lab	srgt LCS dup	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	23	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	92	%	EPA 625	-88	-88	22	107	
2016/17-5	ME-SCR	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	23.1	µg/L	EPA 8270C	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	ME-SCR	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	46	%	EPA 8270C	-88	-88	51	139	GN
2016/17-5	ME-SCR	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	23.3	µg/L	EPA 625	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2016/17-5	ME-VR2	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.92	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270C	-88	-88	51	139	
2016/17-5	ME-VR2	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 625	-88	-88	22	107	
2016/17-5	MO-CAM	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.43	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2016/17-5	MO-CAM	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2016/17-5	MO-HUE	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.45	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2016/17-5	MO-HUE	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625	-88	-88	22	107	
2016/17-5	MO-MEI	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.18	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 8270C	-88	-88	51	139	
2016/17-5	MO-MEI	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 625	-88	-88	22	107	
2016/17-5	MO-OJA	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270C	-88	-88	51	139	
2016/17-5	MO-OJA	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 625	-88	-88	22	107	
2016/17-5	MO-VEN	srgt environ	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	3.48	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/8/2017	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270C	-88	-88	51	139	
2016/17-5	MO-VEN	srgt environ	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/11/2017	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625	-88	-88	22	107	
2016/17-5	Lab	srgt method blank	2/8/2017	Organic	2-Fluorophenol	n/a	=	4.86	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270C	-88	-88	11	62	
2016/17-5	Lab	srgt LCS	2/8/2017	Organic	2-Fluorophenol	n/a	=	4.51	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2016/17-5	Lab	srgt LCS dup	2/8/2017	Organic	2-Fluorophenol	n/a	=	4.52	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2016/17-5	Lab	srgt method blank	2/11/2017	Organic	2-Fluorophenol	n/a	=	22	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-5	Lab	srgt LCS	2/11/2017	Organic	2-Fluorophenol	n/a	=	25.7	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2016/17-5	Lab	srgt LCS dup	2/11/2017	Organic	2-Fluorophenol	n/a	=	24	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2016/17-5	ME-SCR	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	26.1	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	26	%	EPA 8270C	-88	-88	11	62	
2016/17-5	ME-SCR	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	26.1	µg/L	EPA 625	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2016/17-5	ME-VR2	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	4.73	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	47	%	EPA 8270C	-88	-88	11	62	
2016/17-5	ME-VR2	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-CAM	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	2.55	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	26	%	EPA 8270C	-88	-88	11	62	
2016/17-5	MO-CAM	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2016/17-5	MO-HUE	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	4.25	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2016/17-5	MO-HUE	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-5	MO-MEI	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	1.7	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	17	%	EPA 8270C	-88	-88	11	62	
2016/17-5	MO-MEI	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2016/17-5	MO-OJA	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	1.7	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	17	%	EPA 8270C	-88	-88	11	62	
2016/17-5	MO-OJA	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2016/17-5	MO-VEN	srgt environ	2/8/2017	Organic	2-Fluorophenol	n/a	=	2.3	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/8/2017	Organic	2-Fluorophenol	n/a	=	23	%	EPA 8270C	-88	-88	11	62	
2016/17-5	MO-VEN	srgt environ	2/11/2017	Organic	2-Fluorophenol	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/11/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 625	-88	-88	3	74	
2016/17-5	Lab	method blank	2/7/2017	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	method blank	2/8/2017	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-5	Lab	method blank	2/8/2017	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	2-Nitrophenol	n/a	=	7.75	µg/L	EPA 8270C	0.71	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	2-Nitrophenol	n/a	=	78	%	EPA 8270C	-88	-88	33	103	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	2-Nitrophenol	n/a	=	8.31	µg/L	EPA 8270C	0.71	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	2-Nitrophenol	n/a	=	83	%	EPA 8270C	-88	-88	33	103	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	2-Nitrophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	2-Nitrophenol	n/a	=	18.6	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	2-Nitrophenol	n/a	=	74	%	EPA 625	-88	-88	29	182	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	2-Nitrophenol	n/a	=	18.8	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	2-Nitrophenol	n/a	=	75	%	EPA 625	-88	-88	29	182	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	2-Nitrophenol	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-5	Lab	LCS	2/11/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	26.2	µg/L	EPA 625	1.2	5			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	105	%	EPA 625	-88	-88	0.1	262	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	21.8	µg/L	EPA 625	1.2	5			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	87	%	EPA 625	-88	-88	0.1	262	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	18	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-5	Lab	method blank	2/8/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.11	µg/L	EPA 8270C	0.14	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	91	%	EPA 8270C	-88	-88	33	118	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10.2	µg/L	EPA 8270C	0.14	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	102	%	EPA 8270C	-88	-88	33	118	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	2/11/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-5	Lab	LCS	2/11/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14.4	µg/L	EPA 625	1.7	5			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	58	%	EPA 625	-88	-88	0.1	181	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14.9	µg/L	EPA 625	1.7	5			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	60	%	EPA 625	-88	-88	0.1	181	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt LCS	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2016/17-5	Lab	srgt LCS dup	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-5	Lab	srgt method blank	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-5	Lab	srgt LCS	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015D	-88	-88	72	124	
2016/17-5	Lab	srgt LCS dup	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015D	-88	-88	72	124	
2016/17-5	Lab	srgt method blank	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2016/17-5	ME-SCR	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-5	ME-SCR	srgt matrix spike	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt matrix spike, rec	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2016/17-5	ME-SCR	srgt matrix spike dup	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt matrix spike dup, rec	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2016/17-5	ME-SCR	srgt environ	1/23/2017	Organic	4-Bromofluorobenzene	n/a	=	38	µg/L	EPA 8015D	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/23/2017	Organic	4-Bromofluorobenzene	n/a	=	76	%	EPA 8015D	-88	-88	72	124	
2016/17-5	ME-VR2	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-5	ME-VR2	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	40	µg/L	EPA 8015D	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	80	%	EPA 8015D	-88	-88	72	124	
2016/17-5	MO-CAM	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2016/17-5	MO-CAM	srgt environ	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015D	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015D	-88	-88	72	124	
2016/17-5	MO-HUE	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	46.8	µg/L	EPA 624	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-5	MO-HUE	srgt environ	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	25	µg/L	EPA 8015D	-88	-88			GN
2016/17-5	MO-HUE	srgt environ, rec	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	50	%	EPA 8015D	-88	-88	72	124	GN
2016/17-5	MO-MEI	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2016/17-5	MO-MEI	srgt environ	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	36	µg/L	EPA 8015D	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	72	%	EPA 8015D	-88	-88	72	124	
2016/17-5	MO-OJA	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 624	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-5	MO-OJA	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015D	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015D	-88	-88	72	124	
2016/17-5	MO-VEN	srgt environ	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	48.1	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-VEN	srgt environ, rec	1/20/2017	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2016/17-5	MO-VEN	srgt environ	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015D	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	1/21/2017	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015D	-88	-88	72	124	
2016/17-5	Lab	method blank	2/11/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	20	µg/L	EPA 625	0.36	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	53	127	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	19.2	µg/L	EPA 625	0.36	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	53	127	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	4-Chloro-3-methylphenol	n/a	=	7.92	µg/L	EPA 8270C	0.37	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	4-Chloro-3-methylphenol	n/a	=	79	%	EPA 8270C	-88	-88	29	108	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	4-Chloro-3-methylphenol	n/a	=	8.87	µg/L	EPA 8270C	0.37	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	4-Chloro-3-methylphenol	n/a	=	89	%	EPA 8270C	-88	-88	29	108	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	4-Chloro-3-methylphenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	4-Chloro-3-methylphenol	n/a	=	19.2	µg/L	EPA 625	0.23	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	4-Chloro-3-methylphenol	n/a	=	77	%	EPA 625	-88	-88	22	147	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	4-Chloro-3-methylphenol	n/a	=	19.1	µg/L	EPA 625	0.23	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625	-88	-88	22	147	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	4-Chloro-3-methylphenol	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.6	µg/L	EPA 625	0.41	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	90	%	EPA 625	-88	-88	25	158	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.4	µg/L	EPA 625	0.41	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	89	%	EPA 625	-88	-88	25	158	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS	2/8/2017	Organic	4-Nitrophenol	n/a	=	3.82	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	4-Nitrophenol	n/a	=	38	%	EPA 8270C	-88	-88	6	46	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	4-Nitrophenol	n/a	=	4.03	µg/L	EPA 8270C	1	2			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	4-Nitrophenol	n/a	=	40	%	EPA 8270C	-88	-88	6	46	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	4-Nitrophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-5	Lab	LCS	2/11/2017	Organic	4-Nitrophenol	n/a	=	7.27	µg/L	EPA 625	0.45	5			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	4-Nitrophenol	n/a	=	29	%	EPA 625	-88	-88	0.1	132	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	4-Nitrophenol	n/a	=	6.83	µg/L	EPA 625	0.45	5			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	4-Nitrophenol	n/a	=	27	%	EPA 625	-88	-88	0.1	132	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	4-Nitrophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Acenaphthene	n/a	=	8.56	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Acenaphthene	n/a	=	86	%	EPA 8270C	-88	-88	11	122	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Acenaphthene	n/a	=	9.04	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Acenaphthene	n/a	=	90	%	EPA 8270C	-88	-88	11	122	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Acenaphthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Acenaphthene	n/a	=	21.9	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Acenaphthene	n/a	=	88	%	EPA 625	-88	-88	47	145	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Acenaphthene	n/a	=	22.2	µg/L	EPA 625	0.38	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Acenaphthene	n/a	=	89	%	EPA 625	-88	-88	47	145	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Acenaphthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Acenaphthylene	n/a	=	8.8	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Acenaphthylene	n/a	=	88	%	EPA 8270C	-88	-88	4	135	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Acenaphthylene	n/a	=	9.86	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Acenaphthylene	n/a	=	99	%	EPA 8270C	-88	-88	4	135	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Acenaphthylene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Acenaphthylene	n/a	=	19.5	µg/L	EPA 625	0.4	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	145	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Acenaphthylene	n/a	=	19.5	µg/L	EPA 625	0.4	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	145	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Acenaphthylene	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Anthracene	n/a	=	8.17	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Anthracene	n/a	=	82	%	EPA 8270C	-88	-88	22	127	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Anthracene	n/a	=	8.83	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Anthracene	n/a	=	88	%	EPA 8270C	-88	-88	22	127	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Anthracene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Anthracene	n/a	=	22.5	µg/L	EPA 625	0.34	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Anthracene	n/a	=	90	%	EPA 625	-88	-88	27	133	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Anthracene	n/a	=	22.3	µg/L	EPA 625	0.34	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Anthracene	n/a	=	89	%	EPA 625	-88	-88	27	133	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Anthracene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Benz(a)anthracene	n/a	=	8.23	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Benz(a)anthracene	n/a	=	82	%	EPA 8270C	-88	-88	17	131	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Benz(a)anthracene	n/a	=	9.74	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Benz(a)anthracene	n/a	=	97	%	EPA 8270C	-88	-88	17	131	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Benz(a)anthracene	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Benz(a)anthracene	n/a	=	21.9	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Benz(a)anthracene	n/a	=	88	%	EPA 625	-88	-88	33	143	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Benz(a)anthracene	n/a	=	19	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 625	-88	-88	33	143	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Benz(a)anthracene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	5			
2016/17-5	Lab	method blank	1/27/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-5	Lab	LCS	1/27/2017	Organic	Benzo(a)pyrene	n/a	=	3.6	µg/L	EPA 525.2	0.07	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Organic	Benzo(a)pyrene	n/a	=	72	%	EPA 525.2	-88	-88	40	147	
2016/17-5	Lab	LCS dup	1/27/2017	Organic	Benzo(a)pyrene	n/a	=	3.6	µg/L	EPA 525.2	0.07	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Organic	Benzo(a)pyrene	n/a	=	72	%	EPA 525.2	-88	-88	40	147	
2016/17-5	Lab	LCS, RPD	1/27/2017	Organic	Benzo(a)pyrene	n/a	=	0	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	1/30/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-5	Lab	LCS	1/30/2017	Organic	Benzo(a)pyrene	n/a	=	4.19	µg/L	EPA 525.2	0.07	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 525.2	-88	-88	40	147	
2016/17-5	Lab	LCS dup	1/30/2017	Organic	Benzo(a)pyrene	n/a	=	4.01	µg/L	EPA 525.2	0.07	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Organic	Benzo(a)pyrene	n/a	=	80	%	EPA 525.2	-88	-88	40	147	
2016/17-5	Lab	LCS, RPD	1/30/2017	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Benzo(a)pyrene	n/a	=	8.77	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Benzo(a)pyrene	n/a	=	88	%	EPA 8270C	-88	-88	12	131	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Benzo(a)pyrene	n/a	=	9.71	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 8270C	-88	-88	12	131	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Benzo(a)pyrene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Benzo(a)pyrene	n/a	=	22.2	µg/L	EPA 625	0.13	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 625	-88	-88	17	163	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Benzo(a)pyrene	n/a	=	20.9	µg/L	EPA 625	0.13	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Benzo(a)pyrene	n/a	=	83	%	EPA 625	-88	-88	17	163	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Benzo(b)fluoranthene	n/a	=	8.94	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Benzo(b)fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	19	129	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Benzo(b)fluoranthene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Benzo(b)fluoranthene	n/a	=	103	%	EPA 8270C	-88	-88	19	129	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Benzo(b)fluoranthene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Benzo(b)fluoranthene	n/a	=	22.2	µg/L	EPA 625	0.14	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Benzo(b)fluoranthene	n/a	=	89	%	EPA 625	-88	-88	24	159	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Benzo(b)fluoranthene	n/a	=	20.9	µg/L	EPA 625	0.14	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	24	159	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Benzo(b)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Benzo(g,h,i)perylene	n/a	=	7.48	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Benzo(g,h,i)perylene	n/a	=	75	%	EPA 8270C	-88	-88	14	139	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Benzo(g,h,i)perylene	n/a	=	87	%	EPA 8270C	-88	-88	14	139	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Benzo(g,h,i)perylene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-5	Lab	LCS	2/11/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21	µg/L	EPA 625	0.1	2			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Benzo(g,h,i)perylene	n/a	=	84	%	EPA 625	-88	-88	0.1	219	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21.9	µg/L	EPA 625	0.1	2			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Benzo(g,h,i)perylene	n/a	=	87	%	EPA 625	-88	-88	0.1	219	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Benzo(k)fluoranthene	n/a	=	9.64	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Benzo(k)fluoranthene	n/a	=	96	%	EPA 8270C	-88	-88	22	127	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Benzo(k)fluoranthene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 8270C	-88	-88	22	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Benzo(k)fluoranthene	n/a	=	22.9	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Benzo(k)fluoranthene	n/a	=	92	%	EPA 625	-88	-88	11	162	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Benzo(k)fluoranthene	n/a	=	21.6	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Benzo(k)fluoranthene	n/a	=	86	%	EPA 625	-88	-88	11	162	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.8	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	75	%	EPA 625	-88	-88	33	184	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.1	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	76	%	EPA 625	-88	-88	33	184	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	18.3	µg/L	EPA 625	0.27	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	73	%	EPA 625	-88	-88	12	158	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	18.3	µg/L	EPA 625	0.27	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	73	%	EPA 625	-88	-88	12	158	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.2	µg/L	EPA 625	0.38	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	81	%	EPA 625	-88	-88	36	166	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.4	µg/L	EPA 625	0.38	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	82	%	EPA 625	-88	-88	36	166	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-5	Lab	LCS	1/27/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	3.97	µg/L	EPA 525.2	0.1	5			
2016/17-5	Lab	LCS, rec	1/27/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	79	%	EPA 525.2	-88	-88	71	158	
2016/17-5	Lab	LCS dup	1/27/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.45	µg/L	EPA 525.2	0.1	5			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	89	%	EPA 525.2	-88	-88	71	158	
2016/17-5	Lab	LCS, RPD	1/27/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-5	Lab	LCS	1/30/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.55	µg/L	EPA 525.2	0.1	5			
2016/17-5	Lab	LCS, rec	1/30/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	91	%	EPA 525.2	-88	-88	71	158	
2016/17-5	Lab	LCS dup	1/30/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.81	µg/L	EPA 525.2	0.1	5			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	96	%	EPA 525.2	-88	-88	71	158	
2016/17-5	Lab	LCS, RPD	1/30/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-5	Lab	LCS	1/27/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.06	µg/L	EPA 525.2	1.1	3			
2016/17-5	Lab	LCS, rec	1/27/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	81	%	EPA 525.2	-88	-88	68	154	
2016/17-5	Lab	LCS dup	1/27/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.58	µg/L	EPA 525.2	1.1	3			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	92	%	EPA 525.2	-88	-88	68	154	
2016/17-5	Lab	LCS, RPD	1/27/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-5	Lab	LCS	1/30/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.92	µg/L	EPA 525.2	1.1	3			
2016/17-5	Lab	LCS, rec	1/30/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	98	%	EPA 525.2	-88	-88	68	154	
2016/17-5	Lab	LCS dup	1/30/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.98	µg/L	EPA 525.2	1.1	3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS dup, rec	1/30/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	100	%	EPA 525.2	-88	-88	68	154	
2016/17-5	Lab	LCS, RPD	1/30/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.5	µg/L	EPA 625	2.3	4			IP
2016/17-5	Lab	LCS	2/11/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.8	µg/L	EPA 625	2.3	4			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	111	%	EPA 625	-88	-88	8	158	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21	µg/L	EPA 625	2.3	4			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	84	%	EPA 625	-88	-88	8	158	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Butyl benzyl phthalate	n/a	=	22.2	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Butyl benzyl phthalate	n/a	=	89	%	EPA 625	-88	-88	0.1	152	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Butyl benzyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Butyl benzyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	152	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Butyl benzyl phthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Chrysene	n/a	=	9.59	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Chrysene	n/a	=	96	%	EPA 8270C	-88	-88	32	126	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Chrysene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Chrysene	n/a	=	103	%	EPA 8270C	-88	-88	32	126	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Chrysene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Chrysene	n/a	=	23.4	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Chrysene	n/a	=	94	%	EPA 625	-88	-88	17	168	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Chrysene	n/a	=	23.5	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Chrysene	n/a	=	94	%	EPA 625	-88	-88	17	168	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Chrysene	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Dibenz(a,h)anthracene	n/a	=	8.28	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Dibenz(a,h)anthracene	n/a	=	83	%	EPA 8270C	-88	-88	9	147	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Dibenz(a,h)anthracene	n/a	=	9.84	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Dibenz(a,h)anthracene	n/a	=	98	%	EPA 8270C	-88	-88	9	147	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Dibenz(a,h)anthracene	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-5	Lab	LCS	2/11/2017	Organic	Dibenz(a,h)anthracene	n/a	=	22.8	µg/L	EPA 625	0.08	2			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 625	-88	-88	0.1	227	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Dibenz(a,h)anthracene	n/a	=	23.3	µg/L	EPA 625	0.08	2			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Dibenz(a,h)anthracene	n/a	=	93	%	EPA 625	-88	-88	0.1	227	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Diethyl phthalate	n/a	=	20.8	µg/L	EPA 625	0.15	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Diethyl phthalate	n/a	=	19.5	µg/L	EPA 625	0.15	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Diethyl phthalate	n/a	=	78	%	EPA 625	-88	-88	0.1	114	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Diethyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Dimethyl phthalate	n/a	=	19.5	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Dimethyl phthalate	n/a	=	78	%	EPA 625	-88	-88	0.1	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Dimethyl phthalate	n/a	=	18.8	µg/L	EPA 625	0.18	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Dimethyl phthalate	n/a	=	75	%	EPA 625	-88	-88	0.1	112	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Dimethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Di-n-butylphthalate	n/a	=	23.4	µg/L	EPA 625	0.24	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Di-n-butylphthalate	n/a	=	94	%	EPA 625	-88	-88	1	118	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Di-n-butylphthalate	n/a	=	22.9	µg/L	EPA 625	0.24	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Di-n-butylphthalate	n/a	=	92	%	EPA 625	-88	-88	1	118	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Di-n-butylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Di-n-octylphthalate	n/a	=	19.7	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Di-n-octylphthalate	n/a	=	79	%	EPA 625	-88	-88	4	146	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Di-n-octylphthalate	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Di-n-octylphthalate	n/a	=	76	%	EPA 625	-88	-88	4	146	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Di-n-octylphthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Fluoranthene	n/a	=	8.21	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Fluoranthene	n/a	=	82	%	EPA 8270C	-88	-88	22	131	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Fluoranthene	n/a	=	9.28	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Fluoranthene	n/a	=	93	%	EPA 8270C	-88	-88	22	131	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Fluoranthene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Fluoranthene	n/a	=	21.5	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Fluoranthene	n/a	=	86	%	EPA 625	-88	-88	26	137	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Fluoranthene	n/a	=	20.2	µg/L	EPA 625	0.22	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Fluoranthene	n/a	=	81	%	EPA 625	-88	-88	26	137	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Fluorene	n/a	=	7.72	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Fluorene	n/a	=	77	%	EPA 8270C	-88	-88	19	122	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Fluorene	n/a	=	8.52	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Fluorene	n/a	=	85	%	EPA 8270C	-88	-88	19	122	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Fluorene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Fluorene	n/a	=	20.8	µg/L	EPA 625	0.35	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Fluorene	n/a	=	83	%	EPA 625	-88	-88	59	121	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Fluorene	n/a	=	20.9	µg/L	EPA 625	0.35	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Fluorene	n/a	=	84	%	EPA 625	-88	-88	59	121	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Fluorene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Hexachlorobenzene	n/a	=	17	µg/L	EPA 625	0.49	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Hexachlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	152	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Hexachlorobenzene	n/a	=	16.3	µg/L	EPA 625	0.49	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Hexachlorobenzene	n/a	=	65	%	EPA 625	-88	-88	0.1	152	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Hexachlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Hexachlorobutadiene	n/a	=	21.3	µg/L	EPA 625	0.47	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Hexachlorobutadiene	n/a	=	85	%	EPA 625	-88	-88	24	116	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Hexachlorobutadiene	n/a	=	21.8	µg/L	EPA 625	0.47	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Hexachlorobutadiene	n/a	=	87	%	EPA 625	-88	-88	24	116	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Hexachlorobutadiene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-5	Lab	LCS	2/11/2017	Organic	Hexachlorocyclopentadiene	n/a	=	13.3	µg/L	EPA 625	1.5	5			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Hexachlorocyclopentadiene	n/a	=	53	%	EPA 625	-88	-88	0.1	81	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Hexachlorocyclopentadiene	n/a	=	14.4	µg/L	EPA 625	1.5	5			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Hexachlorocyclopentadiene	n/a	=	58	%	EPA 625	-88	-88	0.1	81	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Hexachlorocyclopentadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Hexachloroethane	n/a	=	21.4	µg/L	EPA 625	0.52	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Hexachloroethane	n/a	=	85	%	EPA 625	-88	-88	40	113	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Hexachloroethane	n/a	=	20.9	µg/L	EPA 625	0.52	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Hexachloroethane	n/a	=	84	%	EPA 625	-88	-88	40	113	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Hexachloroethane	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/7/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.55	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	75	%	EPA 8270C	-88	-88	12	136	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.68	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-5	Lab	LCS	2/11/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21	µg/L	EPA 625	0.12	2			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	84	%	EPA 625	-88	-88	0.1	171	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21.1	µg/L	EPA 625	0.12	2			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	84	%	EPA 625	-88	-88	0.1	171	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Isophorone	n/a	=	20.1	µg/L	EPA 625	0.21	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Isophorone	n/a	=	80	%	EPA 625	-88	-88	21	196	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Isophorone	n/a	=	20.5	µg/L	EPA 625	0.21	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Isophorone	n/a	=	82	%	EPA 625	-88	-88	21	196	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Isophorone	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	LCS	1/20/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	51.4	µg/L	EPA 624	0.25	1			
2016/17-5	Lab	LCS, rec	1/20/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	103	%	EPA 624	-88	-88	80	128	
2016/17-5	Lab	LCS dup	1/20/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	51.4	µg/L	EPA 624	0.25	1			
2016/17-5	Lab	LCS dup, rec	1/20/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	103	%	EPA 624	-88	-88	80	128	
2016/17-5	Lab	LCS, RPD	1/20/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.02	%	EPA 624	-88	-88	0	25	
2016/17-5	Lab	method blank	1/20/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-5	Lab	method blank	2/7/2017	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Naphthalene	n/a	=	8.2	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Naphthalene	n/a	=	82	%	EPA 8270C	-88	-88	12	136	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Naphthalene	n/a	=	8.58	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Naphthalene	n/a	=	86	%	EPA 8270C	-88	-88	12	136	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Naphthalene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS	2/11/2017	Organic	Naphthalene	n/a	=	21.8	µg/L	EPA 625	0.49	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Naphthalene	n/a	=	87	%	EPA 625	-88	-88	21	133	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Naphthalene	n/a	=	22.1	µg/L	EPA 625	0.49	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Naphthalene	n/a	=	89	%	EPA 625	-88	-88	21	133	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Naphthalene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Nitrobenzene	n/a	=	19.4	µg/L	EPA 625	0.36	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Nitrobenzene	n/a	=	78	%	EPA 625	-88	-88	35	180	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Nitrobenzene	n/a	=	19.1	µg/L	EPA 625	0.36	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Nitrobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt method blank	2/7/2017	Organic	Nitrobenzene-d5	n/a	=	3.56	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/7/2017	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 8270C	-88	-88	51	143	
2016/17-5	Lab	srgt LCS	2/7/2017	Organic	Nitrobenzene-d5	n/a	=	3.35	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/7/2017	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270C	-88	-88	51	143	
2016/17-5	Lab	srgt LCS dup	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	3.36	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270C	-88	-88	51	143	
2016/17-5	Lab	srgt method blank	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2016/17-5	Lab	srgt LCS	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2016/17-5	Lab	srgt LCS dup	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2016/17-5	ME-SCR	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	24.2	µg/L	EPA 8270C	-88	-88			GN
2016/17-5	ME-SCR	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2016/17-5	ME-SCR	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2016/17-5	ME-VR2	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	3.62	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2016/17-5	ME-VR2	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2016/17-5	MO-CAM	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2016/17-5	MO-CAM	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 625	-88	-88	27	111	
2016/17-5	MO-HUE	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2016/17-5	MO-HUE	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2016/17-5	MO-MEI	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	2.57	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 8270C	-88	-88	51	143	
2016/17-5	MO-MEI	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2016/17-5	MO-OJA	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	2.79	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2016/17-5	MO-OJA	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-VEN	srgt environ	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/8/2017	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2016/17-5	MO-VEN	srgt environ	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/11/2017	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625	-88	-88	27	111	
2016/17-5	Lab	method blank	2/11/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	N-Nitrosodimethylamine	n/a	=	14.1	µg/L	EPA 625	0.14	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	N-Nitrosodimethylamine	n/a	=	56	%	EPA 625	-88	-88	28	75	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	N-Nitrosodimethylamine	n/a	=	13.5	µg/L	EPA 625	0.14	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625	-88	-88	28	75	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	N-Nitrosodimethylamine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.4	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	82	%	EPA 625	-88	-88	0.1	230	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.1	µg/L	EPA 625	0.26	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	80	%	EPA 625	-88	-88	0.1	230	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.4	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	N-Nitrosodiphenylamine	n/a	=	70	%	EPA 625	-88	-88	42	90	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	N-Nitrosodiphenylamine	n/a	=	16.9	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	N-Nitrosodiphenylamine	n/a	=	68	%	EPA 625	-88	-88	42	90	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	N-Nitrosodiphenylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt method blank	1/27/2017	Organic	Perylene-d12	n/a	=	3.26	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/27/2017	Organic	Perylene-d12	n/a	=	65	%	EPA 525.2	-88	-88	30	118	
2016/17-5	Lab	srgt LCS	1/27/2017	Organic	Perylene-d12	n/a	=	4.41	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/27/2017	Organic	Perylene-d12	n/a	=	88	%	EPA 525.2	-88	-88	30	118	
2016/17-5	Lab	srgt LCS dup	1/27/2017	Organic	Perylene-d12	n/a	=	4.1	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/27/2017	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	30	118	
2016/17-5	Lab	srgt method blank	1/30/2017	Organic	Perylene-d12	n/a	=	2.37	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/30/2017	Organic	Perylene-d12	n/a	=	47	%	EPA 525.2	-88	-88	30	118	
2016/17-5	Lab	srgt LCS	1/30/2017	Organic	Perylene-d12	n/a	=	5.15	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/30/2017	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	30	118	
2016/17-5	Lab	srgt LCS dup	1/30/2017	Organic	Perylene-d12	n/a	=	4.78	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/30/2017	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	30	118	
2016/17-5	ME-SCR	srgt environ	1/30/2017	Organic	Perylene-d12	n/a	=	0.659	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	ME-SCR	srgt environ, rec	1/30/2017	Organic	Perylene-d12	n/a	=	11	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	ME-VR2	srgt environ	1/27/2017	Organic	Perylene-d12	n/a	=	0.45	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	ME-VR2	srgt environ, rec	1/27/2017	Organic	Perylene-d12	n/a	=	9	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	MO-CAM	srgt environ	1/27/2017	Organic	Perylene-d12	n/a	=	0.47	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-CAM	srgt environ, rec	1/27/2017	Organic	Perylene-d12	n/a	=	9	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	MO-HUE	srgt environ	1/27/2017	Organic	Perylene-d12	n/a	=	0.35	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-HUE	srgt environ, rec	1/27/2017	Organic	Perylene-d12	n/a	=	7	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	MO-MEI	srgt environ	1/27/2017	Organic	Perylene-d12	n/a	=	0.37	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-MEI	srgt environ, rec	1/27/2017	Organic	Perylene-d12	n/a	=	7	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	MO-OJA	srgt environ	1/27/2017	Organic	Perylene-d12	n/a	=	0.39	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-OJA	srgt environ, rec	1/27/2017	Organic	Perylene-d12	n/a	=	8	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	MO-VEN	srgt environ	1/27/2017	Organic	Perylene-d12	n/a	=	0.44	µg/L	EPA 525.2	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-VEN	srgt environ, rec	1/27/2017	Organic	Perylene-d12	n/a	=	9	%	EPA 525.2	-88	-88	30	118	GN
2016/17-5	Lab	method blank	2/7/2017	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Phenanthrene	n/a	=	8.06	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Phenanthrene	n/a	=	81	%	EPA 8270C	-88	-88	21	131	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Phenanthrene	n/a	=	8.87	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Phenanthrene	n/a	=	89	%	EPA 8270C	-88	-88	21	131	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Phenanthrene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Phenanthrene	n/a	=	22	µg/L	EPA 625	0.32	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Phenanthrene	n/a	=	88	%	EPA 625	-88	-88	54	120	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Phenanthrene	n/a	=	22.1	µg/L	EPA 625	0.32	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Phenanthrene	n/a	=	89	%	EPA 625	-88	-88	54	120	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Phenanthrene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/8/2017	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-5	Lab	LCS	2/8/2017	Organic	Phenol	n/a	=	3.23	µg/L	EPA 8270C	0.35	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Organic	Phenol	n/a	=	32	%	EPA 8270C	-88	-88	6	43	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Phenol	n/a	=	3.41	µg/L	EPA 8270C	0.35	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Phenol	n/a	=	34	%	EPA 8270C	-88	-88	6	43	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Phenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Phenol	n/a	=	7.45	µg/L	EPA 625	0.16	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Phenol	n/a	=	30	%	EPA 625	-88	-88	5	112	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Phenol	n/a	=	7.23	µg/L	EPA 625	0.16	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Phenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt method blank	2/8/2017	Organic	Phenol-d5	n/a	=	3.12	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/8/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2016/17-5	Lab	srgt LCS	2/8/2017	Organic	Phenol-d5	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/8/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2016/17-5	Lab	srgt LCS dup	2/8/2017	Organic	Phenol-d5	n/a	=	2.95	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/8/2017	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2016/17-5	Lab	srgt method blank	2/11/2017	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/11/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-5	Lab	srgt LCS	2/11/2017	Organic	Phenol-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/11/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2016/17-5	Lab	srgt LCS dup	2/11/2017	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/11/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-5	ME-SCR	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2016/17-5	ME-SCR	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-5	ME-VR2	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	2.94	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2016/17-5	ME-VR2	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-5	MO-CAM	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	2.1	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-CAM	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	12	µg/L	EPA 625	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2016/17-5	MO-HUE	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	2.87	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2016/17-5	MO-HUE	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2016/17-5	MO-MEI	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	1	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	10	%	EPA 8270C	-88	-88	5	46	
2016/17-5	MO-MEI	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-5	MO-OJA	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	1.4	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	14	%	EPA 8270C	-88	-88	5	46	
2016/17-5	MO-OJA	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	12.5	µg/L	EPA 625	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2016/17-5	MO-VEN	srgt environ	2/8/2017	Organic	Phenol-d5	n/a	=	1.7	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/8/2017	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2016/17-5	MO-VEN	srgt environ	2/11/2017	Organic	Phenol-d5	n/a	=	9.7	µg/L	EPA 625	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/11/2017	Organic	Phenol-d5	n/a	=	19	%	EPA 625	-88	-88	0.1	53	
2016/17-5	Lab	srgt method blank	2/7/2017	Organic	p-Terphenyl-d14	n/a	=	3.37	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/7/2017	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270C	-88	-88	19	134	
2016/17-5	Lab	srgt LCS	2/7/2017	Organic	p-Terphenyl-d14	n/a	=	3.19	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/7/2017	Organic	p-Terphenyl-d14	n/a	=	64	%	EPA 8270C	-88	-88	19	134	
2016/17-5	Lab	srgt LCS dup	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	3.44	µg/L	EPA 8270C	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2016/17-5	Lab	srgt method blank	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2016/17-5	Lab	srgt LCS	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2016/17-5	Lab	srgt LCS dup	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2016/17-5	ME-SCR	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	15.4	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	31	%	EPA 8270C	-88	-88	19	134	
2016/17-5	ME-SCR	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 625	-88	-88	28	113	
2016/17-5	ME-VR2	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	3.34	µg/L	EPA 8270C	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270C	-88	-88	19	134	
2016/17-5	ME-VR2	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2016/17-5	MO-CAM	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	3.22	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	64	%	EPA 8270C	-88	-88	19	134	
2016/17-5	MO-CAM	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 625	-88	-88	28	113	
2016/17-5	MO-HUE	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	3.3	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2016/17-5	MO-HUE	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 625	-88	-88	28	113	
2016/17-5	MO-MEI	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	2.82	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-MEI	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	56	%	EPA 8270C	-88	-88	19	134	
2016/17-5	MO-MEI	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 625	-88	-88	28	113	
2016/17-5	MO-OJA	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	3.43	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2016/17-5	MO-OJA	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 625	-88	-88	28	113	
2016/17-5	MO-VEN	srgt environ	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	3.37	µg/L	EPA 8270C	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/8/2017	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270C	-88	-88	19	134	
2016/17-5	MO-VEN	srgt environ	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/11/2017	Organic	p-Terphenyl-d14	n/a	=	52	%	EPA 625	-88	-88	28	113	
2016/17-5	Lab	method blank	2/7/2017	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS	2/7/2017	Organic	Pyrene	n/a	=	8.29	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS, rec	2/7/2017	Organic	Pyrene	n/a	=	83	%	EPA 8270C	-88	-88	26	128	
2016/17-5	Lab	LCS dup	2/8/2017	Organic	Pyrene	n/a	=	9.36	µg/L	EPA 8270C	0.1	0.1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Organic	Pyrene	n/a	=	94	%	EPA 8270C	-88	-88	26	128	
2016/17-5	Lab	LCS, RPD	2/8/2017	Organic	Pyrene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	LCS	2/11/2017	Organic	Pyrene	n/a	=	22.4	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Organic	Pyrene	n/a	=	89	%	EPA 625	-88	-88	52	115	
2016/17-5	Lab	LCS dup	2/11/2017	Organic	Pyrene	n/a	=	20.7	µg/L	EPA 625	0.25	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Organic	Pyrene	n/a	=	83	%	EPA 625	-88	-88	52	115	
2016/17-5	Lab	LCS, RPD	2/11/2017	Organic	Pyrene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	srgt method blank	1/31/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0763	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/31/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608	-88	-88	12	117	
2016/17-5	Lab	srgt LCS	1/31/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0758	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/31/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608	-88	-88	12	117	
2016/17-5	Lab	srgt LCS dup	1/31/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0869	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/31/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	87	%	EPA 608	-88	-88	12	117	
2016/17-5	Lab	srgt method blank	2/13/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0609	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/13/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	30	%	EPA 608	-88	-88	12	117	
2016/17-5	Lab	srgt LCS	2/13/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0643	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/13/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	32	%	EPA 608	-88	-88	12	117	
2016/17-5	Lab	srgt LCS dup	2/13/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0631	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/13/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	32	%	EPA 608	-88	-88	12	117	
2016/17-5	ME-SCR	srgt environ	2/1/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0757	µg/L	EPA 608	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/1/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2016/17-5	ME-VR2	srgt environ	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0744	µg/L	EPA 608	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608	-88	-88	12	117	
2016/17-5	MO-CAM	srgt environ	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0612	µg/L	EPA 608	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2016/17-5	MO-HUE	srgt environ	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.052	µg/L	EPA 608	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	12	117	
2016/17-5	MO-MEI	srgt environ	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0544	µg/L	EPA 608	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	54	%	EPA 608	-88	-88	12	117	
2016/17-5	MO-OJA	srgt environ	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.055	µg/L	EPA 608	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	55	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-VEN	srgt environ	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0012	µg/L	EPA 608	-88	-88			GN
2016/17-5	MO-VEN	srgt environ, rec	2/14/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	1	%	EPA 608	-88	-88	12	117	GN
2016/17-5	Lab	srgt LCS	1/20/2017	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/20/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-5	Lab	srgt LCS dup	1/20/2017	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/20/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-5	Lab	srgt method blank	1/20/2017	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/20/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-5	ME-SCR	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-5	ME-SCR	srgt matrix spike	1/21/2017	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt matrix spike, rec	1/21/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-5	ME-SCR	srgt matrix spike dup	1/21/2017	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-5	ME-SCR	srgt matrix spike dup, rec	1/21/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-5	ME-VR2	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-5	MO-CAM	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-5	MO-HUE	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-5	MO-MEI	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-5	MO-OJA	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-5	MO-VEN	srgt environ	1/20/2017	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	1/20/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-5	Lab	srgt method blank	1/27/2017	Organic	Triphenylphosphate	n/a	=	4.09	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2	-88	-88	70	149	
2016/17-5	Lab	srgt LCS	1/27/2017	Organic	Triphenylphosphate	n/a	=	4.28	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2	-88	-88	70	149	
2016/17-5	Lab	srgt LCS dup	1/27/2017	Organic	Triphenylphosphate	n/a	=	4.38	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2	-88	-88	70	149	
2016/17-5	Lab	srgt method blank	1/30/2017	Organic	Triphenylphosphate	n/a	=	5.85	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/30/2017	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	149	
2016/17-5	Lab	srgt LCS	1/30/2017	Organic	Triphenylphosphate	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/30/2017	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	149	
2016/17-5	Lab	srgt LCS dup	1/30/2017	Organic	Triphenylphosphate	n/a	=	4.59	µg/L	EPA 525.2	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/30/2017	Organic	Triphenylphosphate	n/a	=	92	%	EPA 525.2	-88	-88	70	149	
2016/17-5	Lab	srgt method blank	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.574	µg/L	EPA 525.2m	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	Lab	srgt LCS	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.552	µg/L	EPA 525.2m	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	ME-SCR	srgt environ	1/30/2017	Organic	Triphenylphosphate	n/a	=	4.54	µg/L	EPA 525.2	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	1/30/2017	Organic	Triphenylphosphate	n/a	=	77	%	EPA 525.2	-88	-88	70	149	
2016/17-5	ME-SCR	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.692	µg/L	EPA 525.2m	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	138	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	ME-VR2	srgt environ	1/27/2017	Organic	Triphenylphosphate	n/a	=	3.46	µg/L	EPA 525.2	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	ME-VR2	srgt environ, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	69	%	EPA 525.2	-88	-88	70	149	GN
2016/17-5	ME-VR2	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.688	µg/L	EPA 525.2m	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	138	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-CAM	srgt environ	1/27/2017	Organic	Triphenylphosphate	n/a	=	2.93	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-CAM	srgt environ, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	59	%	EPA 525.2	-88	-88	70	149	GN
2016/17-5	MO-CAM	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.537	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-HUE	srgt environ	1/27/2017	Organic	Triphenylphosphate	n/a	=	3.91	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	78	%	EPA 525.2	-88	-88	70	149	
2016/17-5	MO-HUE	srgt matrix spike	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.56	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-HUE	srgt matrix spike, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-HUE	srgt matrix spike dup	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.548	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-HUE	srgt matrix spike dup, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-HUE	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.539	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-MEI	srgt environ	1/27/2017	Organic	Triphenylphosphate	n/a	=	3.33	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-MEI	srgt environ, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	67	%	EPA 525.2	-88	-88	70	149	GN
2016/17-5	MO-MEI	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.589	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-OJA	srgt environ	1/27/2017	Organic	Triphenylphosphate	n/a	=	4.35	µg/L	EPA 525.2	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2	-88	-88	70	149	
2016/17-5	MO-OJA	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.683	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	137	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	MO-VEN	srgt environ	1/27/2017	Organic	Triphenylphosphate	n/a	=	2.11	µg/L	EPA 525.2	-88	-88			GN
2016/17-5	MO-VEN	srgt environ, rec	1/27/2017	Organic	Triphenylphosphate	n/a	=	42	%	EPA 525.2	-88	-88	70	149	GN
2016/17-5	MO-VEN	srgt environ	2/6/2017	Organic	Triphenylphosphate	n/a	=	0.588	µg/L	EPA 525.2m	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/6/2017	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2016/17-5	Lab	srgt method blank	1/31/2017	PCB	PCB 209	n/a	=	0.087	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt method blank, rec	1/31/2017	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	0.1	118	
2016/17-5	Lab	srgt LCS	1/31/2017	PCB	PCB 209	n/a	=	0.0881	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS, rec	1/31/2017	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	0.1	118	
2016/17-5	Lab	srgt LCS dup	1/31/2017	PCB	PCB 209	n/a	=	0.0895	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	1/31/2017	PCB	PCB 209	n/a	=	90	%	EPA 608	-88	-88	0.1	118	
2016/17-5	Lab	srgt method blank	2/13/2017	PCB	PCB 209	n/a	=	0.068	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt method blank, rec	2/13/2017	PCB	PCB 209	n/a	=	34	%	EPA 608	-88	-88	0.1	118	
2016/17-5	Lab	srgt LCS	2/13/2017	PCB	PCB 209	n/a	=	0.0796	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS, rec	2/13/2017	PCB	PCB 209	n/a	=	40	%	EPA 608	-88	-88	0.1	118	
2016/17-5	Lab	srgt LCS dup	2/13/2017	PCB	PCB 209	n/a	=	0.0754	µg/L	EPA 608	-88	-88			
2016/17-5	Lab	srgt LCS dup, rec	2/13/2017	PCB	PCB 209	n/a	=	38	%	EPA 608	-88	-88	0.1	118	
2016/17-5	ME-SCR	srgt environ	2/1/2017	PCB	PCB 209	n/a	=	0.0576	µg/L	EPA 608	-88	-88			
2016/17-5	ME-SCR	srgt environ, rec	2/1/2017	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	0.1	118	
2016/17-5	ME-VR2	srgt environ	2/14/2017	PCB	PCB 209	n/a	=	0.0431	µg/L	EPA 608	-88	-88			
2016/17-5	ME-VR2	srgt environ, rec	2/14/2017	PCB	PCB 209	n/a	=	43	%	EPA 608	-88	-88	0.1	118	
2016/17-5	MO-CAM	srgt environ	2/14/2017	PCB	PCB 209	n/a	=	0.0397	µg/L	EPA 608	-88	-88			
2016/17-5	MO-CAM	srgt environ, rec	2/14/2017	PCB	PCB 209	n/a	=	40	%	EPA 608	-88	-88	0.1	118	
2016/17-5	MO-HUE	srgt environ	2/14/2017	PCB	PCB 209	n/a	=	0.0468	µg/L	EPA 608	-88	-88			
2016/17-5	MO-HUE	srgt environ, rec	2/14/2017	PCB	PCB 209	n/a	=	47	%	EPA 608	-88	-88	0.1	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-MEI	srgt environ	2/14/2017	PCB	PCB 209	n/a	=	0.0263	µg/L	EPA 608	-88	-88			
2016/17-5	MO-MEI	srgt environ, rec	2/14/2017	PCB	PCB 209	n/a	=	26	%	EPA 608	-88	-88	0.1	118	
2016/17-5	MO-OJA	srgt environ	2/14/2017	PCB	PCB 209	n/a	=	0.0245	µg/L	EPA 608	-88	-88			
2016/17-5	MO-OJA	srgt environ, rec	2/14/2017	PCB	PCB 209	n/a	=	24	%	EPA 608	-88	-88	0.1	118	
2016/17-5	MO-VEN	srgt environ	2/14/2017	PCB	PCB 209	n/a	=	0.0007	µg/L	EPA 608	-88	-88			
2016/17-5	MO-VEN	srgt environ, rec	2/14/2017	PCB	PCB 209	n/a	=	0.7	%	EPA 608	-88	-88	0.1	118	
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-5	Lab	method blank	1/31/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-5	Lab	method blank	2/13/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4,5-T	n/a	=	4.27	µg/L	EPA 515.3	0.07	0.2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4,5-T	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4,5-T	n/a	=	4.08	µg/L	EPA 515.3	0.07	0.2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4,5-T	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4,5-T	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4,5-T	n/a	=	4.84	µg/L	EPA 515.3	0.07	0.2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4,5-T	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4,5-T	n/a	=	4.74	µg/L	EPA 515.3	0.07	0.2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4,5-T	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	2,4,5-T	n/a	=	4.37	µg/L	EPA 515.3	0.07	0.2			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	2,4,5-T	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4,5-TP	n/a	=	4.23	µg/L	EPA 515.3	0.09	0.2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4,5-TP	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4,5-TP	n/a	=	4.28	µg/L	EPA 515.3	0.09	0.2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4,5-TP	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4,5-TP	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4,5-TP	n/a	=	4.69	µg/L	EPA 515.3	0.09	0.2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4,5-TP	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4,5-TP	n/a	=	4.67	µg/L	EPA 515.3	0.09	0.2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4,5-TP	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4,5-TP	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	2,4,5-TP	n/a	=	4.52	µg/L	EPA 515.3	0.09	0.2			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	2,4,5-TP	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4-D	n/a	=	9.14	µg/L	EPA 515.3	0.07	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4-D	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4-D	n/a	=	9.41	µg/L	EPA 515.3	0.07	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4-D	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4-D	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4-D	n/a	=	9.52	µg/L	EPA 515.3	0.07	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4-D	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4-D	n/a	=	9.42	µg/L	EPA 515.3	0.07	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4-D	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4-D	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	2,4-D	n/a	=	8.34	µg/L	EPA 515.3	0.07	0.4			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	2,4-D	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4-DB	n/a	=	16.6	µg/L	EPA 515.3	0.07	2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4-DB	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4-DB	n/a	=	17.7	µg/L	EPA 515.3	0.07	2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4-DB	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4-DB	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	2,4-DB	n/a	=	19.9	µg/L	EPA 515.3	0.07	2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	2,4-DB	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	2,4-DB	n/a	=	19.7	µg/L	EPA 515.3	0.07	2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	2,4-DB	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	2,4-DB	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	2,4-DB	n/a	=	16.2	µg/L	EPA 515.3	0.07	2			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	2,4-DB	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.79	µg/L	EPA 515.3	0.09	1			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.64	µg/L	EPA 515.3	0.09	1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.8	µg/L	EPA 515.3	0.09	1			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.84	µg/L	EPA 515.3	0.09	1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.45	µg/L	EPA 515.3	0.09	1			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	4,4'-DDD	n/a	=	0.085	µg/L	EPA 608	0.003	0.05			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	4,4'-DDD	n/a	=	85	%	EPA 608	-88	-88	42	133	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	4,4'-DDD	n/a	=	0.0946	µg/L	EPA 608	0.003	0.05			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	4,4'-DDD	n/a	=	95	%	EPA 608	-88	-88	42	133	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	4,4'-DDD	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	4,4'-DDD	n/a	=	0.0835	µg/L	EPA 608	0.003	0.05			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	4,4'-DDD	n/a	=	84	%	EPA 608	-88	-88	42	133	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	4,4'-DDD	n/a	=	0.0822	µg/L	EPA 608	0.003	0.05			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	4,4'-DDD	n/a	=	82	%	EPA 608	-88	-88	42	133	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	4,4'-DDD	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	4,4'-DDE	n/a	=	0.09	µg/L	EPA 608	0.0025	0.05			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	4,4'-DDE	n/a	=	90	%	EPA 608	-88	-88	33	126	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	4,4'-DDE	n/a	=	0.102	µg/L	EPA 608	0.0025	0.05			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	4,4'-DDE	n/a	=	102	%	EPA 608	-88	-88	33	126	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	4,4'-DDE	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	4,4'-DDE	n/a	=	0.0881	µg/L	EPA 608	0.0025	0.05			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	4,4'-DDE	n/a	=	88	%	EPA 608	-88	-88	33	126	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	4,4'-DDE	n/a	=	0.0864	µg/L	EPA 608	0.0025	0.05			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	4,4'-DDE	n/a	=	86	%	EPA 608	-88	-88	33	126	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	4,4'-DDE	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	4,4'-DDT	n/a	=	0.0945	µg/L	EPA 608	0.0031	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	4,4'-DDT	n/a	=	95	%	EPA 608	-88	-88	35	147	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	4,4'-DDT	n/a	=	0.108	µg/L	EPA 608	0.0031	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	4,4'-DDT	n/a	=	108	%	EPA 608	-88	-88	35	147	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	4,4'-DDT	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	4,4'-DDT	n/a	=	0.0854	µg/L	EPA 608	0.0031	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	4,4'-DDT	n/a	=	85	%	EPA 608	-88	-88	35	147	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	4,4'-DDT	n/a	=	0.0857	µg/L	EPA 608	0.0031	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	4,4'-DDT	n/a	=	86	%	EPA 608	-88	-88	35	147	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	4,4'-DDT	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Acifluorfen	n/a	=	4.6	µg/L	EPA 515.3	0.06	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Acifluorfen	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Acifluorfen	n/a	=	4.5	µg/L	EPA 515.3	0.06	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Acifluorfen	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Acifluorfen	n/a	=	4.96	µg/L	EPA 515.3	0.06	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Acifluorfen	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Acifluorfen	n/a	=	4.54	µg/L	EPA 515.3	0.06	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Acifluorfen	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Acifluorfen	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Acifluorfen	n/a	=	4.2	µg/L	EPA 515.3	0.06	0.4			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Alachlor	n/a	=	5.06	µg/L	EPA 525.2	0.022	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Alachlor	n/a	=	101	%	EPA 525.2	-88	-88	55	124	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Alachlor	n/a	=	4.91	µg/L	EPA 525.2	0.022	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Alachlor	n/a	=	98	%	EPA 525.2	-88	-88	55	124	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Alachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Alachlor	n/a	=	5.51	µg/L	EPA 525.2	0.022	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Alachlor	n/a	=	110	%	EPA 525.2	-88	-88	55	124	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Alachlor	n/a	=	6.08	µg/L	EPA 525.2	0.022	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Alachlor	n/a	=	122	%	EPA 525.2	-88	-88	55	124	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Alachlor	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Aldrin	n/a	=	0.0815	µg/L	EPA 608	0.0015	0.005			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Aldrin	n/a	=	81	%	EPA 608	-88	-88	18	117	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Aldrin	n/a	=	0.102	µg/L	EPA 608	0.0015	0.005			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Aldrin	n/a	=	102	%	EPA 608	-88	-88	18	117	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Aldrin	n/a	=	22	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Aldrin	n/a	=	0.0781	µg/L	EPA 608	0.0015	0.005			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Aldrin	n/a	=	78	%	EPA 608	-88	-88	18	117	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Aldrin	n/a	=	0.078	µg/L	EPA 608	0.0015	0.005			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Aldrin	n/a	=	78	%	EPA 608	-88	-88	18	117	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Aldrin	n/a	=	0.1	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	alpha-BHC	n/a	=	0.0819	µg/L	EPA 608	0.0018	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	alpha-BHC	n/a	=	82	%	EPA 608	-88	-88	47	119	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	alpha-BHC	n/a	=	0.0963	µg/L	EPA 608	0.0018	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	alpha-BHC	n/a	=	96	%	EPA 608	-88	-88	47	119	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	alpha-BHC	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	alpha-BHC	n/a	=	0.072	µg/L	EPA 608	0.0018	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	alpha-BHC	n/a	=	72	%	EPA 608	-88	-88	47	119	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	alpha-BHC	n/a	=	0.073	µg/L	EPA 608	0.0018	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	47	119	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	alpha-BHC	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-5	Lab	method blank	2/13/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Atrazine	n/a	=	5.08	µg/L	EPA 525.2	0.034	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Atrazine	n/a	=	102	%	EPA 525.2	-88	-88	67	131	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Atrazine	n/a	=	4.87	µg/L	EPA 525.2	0.034	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Atrazine	n/a	=	97	%	EPA 525.2	-88	-88	67	131	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Atrazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Atrazine	n/a	=	5.18	µg/L	EPA 525.2	0.034	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Atrazine	n/a	=	104	%	EPA 525.2	-88	-88	67	131	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Atrazine	n/a	=	4.81	µg/L	EPA 525.2	0.034	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Atrazine	n/a	=	96	%	EPA 525.2	-88	-88	67	131	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Atrazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Azinphos methyl	n/a	=	0.0617	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Azinphos methyl	n/a	=	123	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Azinphos methyl	n/a	=	0.066	µg/L	EPA 525.2m	0.0055	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Azinphos methyl	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Azinphos methyl	n/a	=	0.0662	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Azinphos methyl	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Azinphos methyl	n/a	=	0.2	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Bentazon	n/a	=	18.1	µg/L	EPA 515.3	0.11	2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Bentazon	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Bentazon	n/a	=	18	µg/L	EPA 515.3	0.11	2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Bentazon	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Bentazon	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Bentazon	n/a	=	19.5	µg/L	EPA 515.3	0.11	2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Bentazon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Bentazon	n/a	=	19.6	µg/L	EPA 515.3	0.11	2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Bentazon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Bentazon	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Bentazon	n/a	=	17.2	µg/L	EPA 515.3	0.11	2			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Bentazon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	beta-BHC	n/a	=	0.0862	µg/L	EPA 608	0.0031	0.005			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	beta-BHC	n/a	=	86	%	EPA 608	-88	-88	53	123	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	beta-BHC	n/a	=	0.105	µg/L	EPA 608	0.0031	0.005			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	beta-BHC	n/a	=	105	%	EPA 608	-88	-88	53	123	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	beta-BHC	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	beta-BHC	n/a	=	0.0795	µg/L	EPA 608	0.0031	0.005			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	beta-BHC	n/a	=	79	%	EPA 608	-88	-88	53	123	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	beta-BHC	n/a	=	0.0793	µg/L	EPA 608	0.0031	0.005			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	beta-BHC	n/a	=	79	%	EPA 608	-88	-88	53	123	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	beta-BHC	n/a	=	0.2	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Bolstar	n/a	=	0.04	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Bolstar	n/a	=	80	%	EPA 525.2m	-88	-88	11	166	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Bolstar	n/a	=	0.037	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Bolstar	n/a	=	74	%	EPA 525.2m	-88	-88	4	184	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Bolstar	n/a	=	0.038	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Bolstar	n/a	=	76	%	EPA 525.2m	-88	-88	4	184	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Bolstar	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Bromacil	n/a	=	4.12	µg/L	EPA 525.2	0.038	1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Bromacil	n/a	=	82	%	EPA 525.2	-88	-88	62	139	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Bromacil	n/a	=	3.95	µg/L	EPA 525.2	0.038	1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Bromacil	n/a	=	79	%	EPA 525.2	-88	-88	62	139	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Bromacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Bromacil	n/a	=	5.17	µg/L	EPA 525.2	0.038	1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Bromacil	n/a	=	103	%	EPA 525.2	-88	-88	62	139	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Bromacil	n/a	=	4.86	µg/L	EPA 525.2	0.038	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Bromacil	n/a	=	97	%	EPA 525.2	-88	-88	62	139	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Bromacil	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Butachlor	n/a	=	4.72	µg/L	EPA 525.2	0.017	0.2			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Butachlor	n/a	=	94	%	EPA 525.2	-88	-88	61	127	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Butachlor	n/a	=	4.99	µg/L	EPA 525.2	0.017	0.2			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Butachlor	n/a	=	100	%	EPA 525.2	-88	-88	61	127	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Butachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Butachlor	n/a	=	5.35	µg/L	EPA 525.2	0.017	0.2			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	61	127	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Butachlor	n/a	=	6.19	µg/L	EPA 525.2	0.017	0.2			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Butachlor	n/a	=	124	%	EPA 525.2	-88	-88	61	127	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Butachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Captan	n/a	=	4.59	µg/L	EPA 525.2	0.86	1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Captan	n/a	=	92	%	EPA 525.2	-88	-88	14	159	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Captan	n/a	=	4.56	µg/L	EPA 525.2	0.86	1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Captan	n/a	=	91	%	EPA 525.2	-88	-88	14	159	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Captan	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Captan	n/a	=	4.81	µg/L	EPA 525.2	0.86	1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Captan	n/a	=	96	%	EPA 525.2	-88	-88	14	159	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Captan	n/a	=	4.65	µg/L	EPA 525.2	0.86	1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Captan	n/a	=	93	%	EPA 525.2	-88	-88	14	159	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Captan	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Chloropropham	n/a	=	4.88	µg/L	EPA 525.2	0.01	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Chloropropham	n/a	=	98	%	EPA 525.2	-88	-88	77	143	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Chloropropham	n/a	=	4.87	µg/L	EPA 525.2	0.01	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Chloropropham	n/a	=	97	%	EPA 525.2	-88	-88	77	143	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Chloropropham	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Chloropropham	n/a	=	5.34	µg/L	EPA 525.2	0.01	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Chloropropham	n/a	=	107	%	EPA 525.2	-88	-88	77	143	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Chloropropham	n/a	=	5.14	µg/L	EPA 525.2	0.01	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Chloropropham	n/a	=	103	%	EPA 525.2	-88	-88	77	143	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Chloropropham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	0.0515	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	103	%	EPA 525.2m	-88	-88	37	169	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	0.0827	µg/L	EPA 525.2m	0.0069	0.01			IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	165	%	EPA 525.2m	-88	-88	37	168	IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	0.112	µg/L	EPA 525.2m	0.0069	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	225	%	EPA 525.2m	-88	-88	37	168	GB,IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Chlorpyrifos	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	GB,IL
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Coumaphos	n/a	=	0.0713	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Coumaphos	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Coumaphos	n/a	=	0.0715	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Coumaphos	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Coumaphos	n/a	=	0.0731	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Coumaphos	n/a	=	146	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Coumaphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Cyanazine	n/a	=	4.19	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Cyanazine	n/a	=	84	%	EPA 525.2	-88	-88	61	129	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Cyanazine	n/a	=	4.45	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Cyanazine	n/a	=	89	%	EPA 525.2	-88	-88	61	129	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Cyanazine	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Cyanazine	n/a	=	5.46	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Cyanazine	n/a	=	109	%	EPA 525.2	-88	-88	61	129	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Cyanazine	n/a	=	4.85	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Cyanazine	n/a	=	97	%	EPA 525.2	-88	-88	61	129	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Cyanazine	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dalapon	n/a	=	8.64	µg/L	EPA 515.3	0.1	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dalapon	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dalapon	n/a	=	9.23	µg/L	EPA 515.3	0.1	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dalapon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dalapon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dalapon	n/a	=	8.19	µg/L	EPA 515.3	0.1	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dalapon	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dalapon	n/a	=	8.76	µg/L	EPA 515.3	0.1	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dalapon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dalapon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Dalapon	n/a	=	8.36	µg/L	EPA 515.3	0.1	0.4			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Dalapon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.25	µg/L	EPA 515.3	0.07	0.1			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.27	µg/L	EPA 515.3	0.07	0.1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.43	µg/L	EPA 515.3	0.07	0.1			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.44	µg/L	EPA 515.3	0.07	0.1			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.19	µg/L	EPA 515.3	0.07	0.1			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	105	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	delta-BHC	n/a	=	0.0865	µg/L	EPA 608	0.0025	0.005			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	delta-BHC	n/a	=	87	%	EPA 608	-88	-88	51	123	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	delta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0025	0.005			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	delta-BHC	n/a	=	103	%	EPA 608	-88	-88	51	123	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	delta-BHC	n/a	=	17	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	delta-BHC	n/a	=	0.0836	µg/L	EPA 608	0.0025	0.005			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	delta-BHC	n/a	=	84	%	EPA 608	-88	-88	51	123	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	delta-BHC	n/a	=	0.0824	µg/L	EPA 608	0.0025	0.005			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	delta-BHC	n/a	=	82	%	EPA 608	-88	-88	51	123	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	delta-BHC	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Demeton-O	n/a	=	0.0288	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Demeton-O	n/a	=	58	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Demeton-O	n/a	=	0.0299	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Demeton-O	n/a	=	60	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Demeton-O	n/a	=	0.0366	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Demeton-O	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Demeton-O	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Demeton-S	n/a	=	0.0526	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Demeton-S	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Demeton-S	n/a	=	0.051	µg/L	EPA 525.2m	0.01	0.01			IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Demeton-S	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	207	IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Demeton-S	n/a	=	0.072	µg/L	EPA 525.2m	0.01	0.01			IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Demeton-S	n/a	=	144	%	EPA 525.2m	-88	-88	0.1	207	IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Demeton-S	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Diazinon	n/a	=	4.55	µg/L	EPA 525.2	0.096	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Diazinon	n/a	=	91	%	EPA 525.2	-88	-88	30	120	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Diazinon	n/a	=	4.24	µg/L	EPA 525.2	0.096	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Diazinon	n/a	=	85	%	EPA 525.2	-88	-88	30	120	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Diazinon	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Diazinon	n/a	=	4.6	µg/L	EPA 525.2	0.096	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Diazinon	n/a	=	92	%	EPA 525.2	-88	-88	30	120	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Diazinon	n/a	=	4.96	µg/L	EPA 525.2	0.096	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Diazinon	n/a	=	99	%	EPA 525.2	-88	-88	30	120	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Diazinon	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Diazinon	n/a	=	0.0416	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Diazinon	n/a	=	83	%	EPA 525.2m	-88	-88	43	152	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Diazinon	n/a	=	0.0752	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Diazinon	n/a	=	150	%	EPA 525.2m	-88	-88	36	153	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Diazinon	n/a	=	0.086	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Diazinon	n/a	=	172	%	EPA 525.2m	-88	-88	36	153	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Diazinon	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	GB
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dicamba	n/a	=	8.63	µg/L	EPA 515.3	0.12	0.6			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dicamba	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dicamba	n/a	=	8.68	µg/L	EPA 515.3	0.12	0.6			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dicamba	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dicamba	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dicamba	n/a	=	8.7	µg/L	EPA 515.3	0.12	0.6			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dicamba	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dicamba	n/a	=	8.76	µg/L	EPA 515.3	0.12	0.6			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dicamba	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dicamba	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Dicamba	n/a	=	8.43	µg/L	EPA 515.3	0.12	0.6			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Dicamba	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dichlorprop	n/a	=	9.47	µg/L	EPA 515.3	0.08	0.3			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dichlorprop	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dichlorprop	n/a	=	9.01	µg/L	EPA 515.3	0.08	0.3			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dichlorprop	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dichlorprop	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dichlorprop	n/a	=	9.17	µg/L	EPA 515.3	0.08	0.3			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dichlorprop	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dichlorprop	n/a	=	8.75	µg/L	EPA 515.3	0.08	0.3			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dichlorprop	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dichlorprop	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Dichlorprop	n/a	=	8.4	µg/L	EPA 515.3	0.08	0.3			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Dichlorprop	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Dichlorvos	n/a	=	0.0515	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Dichlorvos	n/a	=	103	%	EPA 525.2m	-88	-88	46	133	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Dichlorvos	n/a	=	0.0659	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Dichlorvos	n/a	=	132	%	EPA 525.2m	-88	-88	42	137	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Dichlorvos	n/a	=	0.0686	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Dichlorvos	n/a	=	137	%	EPA 525.2m	-88	-88	42	137	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Dichlorvos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Dieldrin	n/a	=	0.0895	µg/L	EPA 608	0.0021	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Dieldrin	n/a	=	89	%	EPA 608	-88	-88	48	123	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Dieldrin	n/a	=	0.103	µg/L	EPA 608	0.0021	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Dieldrin	n/a	=	103	%	EPA 608	-88	-88	48	123	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Dieldrin	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Dieldrin	n/a	=	0.087	µg/L	EPA 608	0.0021	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Dieldrin	n/a	=	87	%	EPA 608	-88	-88	48	123	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Dieldrin	n/a	=	0.0859	µg/L	EPA 608	0.0021	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Dieldrin	n/a	=	86	%	EPA 608	-88	-88	48	123	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Dieldrin	n/a	=	1	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Dimethoate	n/a	=	3.89	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Dimethoate	n/a	=	78	%	EPA 525.2	-88	-88	38	102	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Dimethoate	n/a	=	2.96	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Dimethoate	n/a	=	59	%	EPA 525.2	-88	-88	38	102	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Dimethoate	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Dimethoate	n/a	=	4.29	µg/L	EPA 525.2	0.024	0.2			IL
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Dimethoate	n/a	=	86	%	EPA 525.2	-88	-88	38	102	IL
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Dimethoate	n/a	=	3.11	µg/L	EPA 525.2	0.024	0.2			IL
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Dimethoate	n/a	=	62	%	EPA 525.2	-88	-88	38	102	IL
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Dimethoate	n/a	=	32	%	EPA 525.2	-88	-88	0	30	IL
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Dimethoate	n/a	=	0.0366	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Dimethoate	n/a	=	73	%	EPA 525.2m	-88	-88	10	234	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Dimethoate	n/a	=	0.101	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Dimethoate	n/a	=	201	%	EPA 525.2m	-88	-88	4	222	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Dimethoate	n/a	=	0.125	µg/L	EPA 525.2m	0.0062	0.01			GB
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Dimethoate	n/a	=	250	%	EPA 525.2m	-88	-88	4	222	GB
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Dimethoate	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	GB
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dinoseb	n/a	=	4.46	µg/L	EPA 515.3	0.14	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dinoseb	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dinoseb	n/a	=	4.49	µg/L	EPA 515.3	0.14	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dinoseb	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dinoseb	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Dinoseb	n/a	=	4.58	µg/L	EPA 515.3	0.14	0.4			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Dinoseb	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Dinoseb	n/a	=	4.59	µg/L	EPA 515.3	0.14	0.4			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Dinoseb	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Dinoseb	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Dinoseb	n/a	=	4.4	µg/L	EPA 515.3	0.14	0.4			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Dinoseb	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Diphenamid	n/a	=	4.85	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Diphenamid	n/a	=	97	%	EPA 525.2	-88	-88	77	124	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Diphenamid	n/a	=	4.91	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Diphenamid	n/a	=	98	%	EPA 525.2	-88	-88	77	124	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Diphenamid	n/a	=	5.39	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Diphenamid	n/a	=	108	%	EPA 525.2	-88	-88	77	124	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Diphenamid	n/a	=	5.45	µg/L	EPA 525.2	0.024	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Diphenamid	n/a	=	109	%	EPA 525.2	-88	-88	77	124	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Disulfoton	n/a	=	4.11	µg/L	EPA 525.2	0.031	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Disulfoton	n/a	=	82	%	EPA 525.2	-88	-88	54	156	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Disulfoton	n/a	=	3.96	µg/L	EPA 525.2	0.031	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Disulfoton	n/a	=	79	%	EPA 525.2	-88	-88	54	156	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Disulfoton	n/a	=	3.89	µg/L	EPA 525.2	0.031	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Disulfoton	n/a	=	78	%	EPA 525.2	-88	-88	54	156	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Disulfoton	n/a	=	3.62	µg/L	EPA 525.2	0.031	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2	-88	-88	54	156	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Disulfoton	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Disulfoton	n/a	=	0.0375	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Disulfoton	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Disulfoton	n/a	=	0.0361	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2m	-88	-88	12	199	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Disulfoton	n/a	=	0.0487	µg/L	EPA 525.2m	0.01	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Disulfoton	n/a	=	97	%	EPA 525.2m	-88	-88	12	199	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Disulfoton	n/a	=	30	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Endosulfan I	n/a	=	0.0815	µg/L	EPA 608	0.0017	0.02			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Endosulfan I	n/a	=	82	%	EPA 608	-88	-88	14	131	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Endosulfan I	n/a	=	0.0961	µg/L	EPA 608	0.0017	0.02			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Endosulfan I	n/a	=	96	%	EPA 608	-88	-88	14	131	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Endosulfan I	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Endosulfan I	n/a	=	0.0808	µg/L	EPA 608	0.0017	0.02			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608	-88	-88	14	131	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Endosulfan I	n/a	=	0.0787	µg/L	EPA 608	0.0017	0.02			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Endosulfan I	n/a	=	79	%	EPA 608	-88	-88	14	131	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Endosulfan I	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Endosulfan II	n/a	=	0.0891	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Endosulfan II	n/a	=	89	%	EPA 608	-88	-88	40	121	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Endosulfan II	n/a	=	0.0994	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Endosulfan II	n/a	=	99	%	EPA 608	-88	-88	40	121	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Endosulfan II	n/a	=	11	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Endosulfan II	n/a	=	0.0866	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Endosulfan II	n/a	=	87	%	EPA 608	-88	-88	40	121	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Endosulfan II	n/a	=	0.0833	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Endosulfan II	n/a	=	83	%	EPA 608	-88	-88	40	121	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Endosulfan II	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0853	µg/L	EPA 608	0.008	0.05			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Endosulfan sulfate	n/a	=	85	%	EPA 608	-88	-88	44	140	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0992	µg/L	EPA 608	0.008	0.05			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Endosulfan sulfate	n/a	=	99	%	EPA 608	-88	-88	44	140	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Endosulfan sulfate	n/a	=	15	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0849	µg/L	EPA 608	0.008	0.05			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Endosulfan sulfate	n/a	=	85	%	EPA 608	-88	-88	44	140	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0835	µg/L	EPA 608	0.008	0.05			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Endosulfan sulfate	n/a	=	83	%	EPA 608	-88	-88	44	140	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Endosulfan sulfate	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Endrin	n/a	=	0.0946	µg/L	EPA 608	0.0028	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Endrin	n/a	=	95	%	EPA 608	-88	-88	40	143	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Endrin	n/a	=	0.107	µg/L	EPA 608	0.0028	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Endrin	n/a	=	107	%	EPA 608	-88	-88	40	143	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Endrin	n/a	=	12	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Endrin	n/a	=	0.0813	µg/L	EPA 608	0.0028	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Endrin	n/a	=	81	%	EPA 608	-88	-88	40	143	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Endrin	n/a	=	0.0797	µg/L	EPA 608	0.0028	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Endrin	n/a	=	80	%	EPA 608	-88	-88	40	143	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Endrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Endrin aldehyde	n/a	=	0.0711	µg/L	EPA 608	0.003	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Endrin aldehyde	n/a	=	71	%	EPA 608	-88	-88	18	136	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Endrin aldehyde	n/a	=	0.0872	µg/L	EPA 608	0.003	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Endrin aldehyde	n/a	=	87	%	EPA 608	-88	-88	18	136	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Endrin aldehyde	n/a	=	20	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Endrin aldehyde	n/a	=	0.0656	µg/L	EPA 608	0.003	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Endrin aldehyde	n/a	=	66	%	EPA 608	-88	-88	18	136	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Endrin aldehyde	n/a	=	0.0753	µg/L	EPA 608	0.003	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Endrin aldehyde	n/a	=	75	%	EPA 608	-88	-88	18	136	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Endrin aldehyde	n/a	=	14	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	EPTC	n/a	=	5.05	µg/L	EPA 525.2	0.017	1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	EPTC	n/a	=	101	%	EPA 525.2	-88	-88	82	116	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	EPTC	n/a	=	5.13	µg/L	EPA 525.2	0.017	1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	82	116	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	EPTC	n/a	=	5.15	µg/L	EPA 525.2	0.017	1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	82	116	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	EPTC	n/a	=	5.14	µg/L	EPA 525.2	0.017	1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	82	116	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	EPTC	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Ethoprop	n/a	=	0.0484	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Ethoprop	n/a	=	97	%	EPA 525.2m	-88	-88	53	163	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Ethoprop	n/a	=	0.0754	µg/L	EPA 525.2m	0.0067	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Ethoprop	n/a	=	151	%	EPA 525.2m	-88	-88	51	167	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Ethoprop	n/a	=	0.0999	µg/L	EPA 525.2m	0.0067	0.01			GB
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Ethoprop	n/a	=	200	%	EPA 525.2m	-88	-88	51	167	GB
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Ethoprop	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	GB
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Ethyl parathion	n/a	=	0.077	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Ethyl parathion	n/a	=	154	%	EPA 525.2m	-88	-88	7	230	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Ethyl parathion	n/a	=	0.129	µg/L	EPA 525.2m	0.0054	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Ethyl parathion	n/a	=	257	%	EPA 525.2m	-88	-88	5	229	GB,IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Ethyl parathion	n/a	=	0.189	µg/L	EPA 525.2m	0.0054	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Ethyl parathion	n/a	=	379	%	EPA 525.2m	-88	-88	5	229	GB,IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Ethyl parathion	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	GB,IL
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Fensulfothion	n/a	=	0.0499	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Fensulfothion	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Fensulfothion	n/a	=	0.064	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Fensulfothion	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Fensulfothion	n/a	=	0.0567	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Fensulfothion	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Fensulfothion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Fenthion	n/a	=	0.0444	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Fenthion	n/a	=	89	%	EPA 525.2m	-88	-88	20	177	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Fenthion	n/a	=	0.0659	µg/L	EPA 525.2m	0.0038	0.01			IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Fenthion	n/a	=	132	%	EPA 525.2m	-88	-88	23	169	IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Fenthion	n/a	=	0.0905	µg/L	EPA 525.2m	0.0038	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Fenthion	n/a	=	181	%	EPA 525.2m	-88	-88	23	169	GB,IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Fenthion	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	GB,IL
2016/17-5	Lab	method blank	1/31/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0806	µg/L	EPA 608	0.0021	0.02			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	81	%	EPA 608	-88	-88	49	117	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0973	µg/L	EPA 608	0.0021	0.02			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	97	%	EPA 608	-88	-88	49	117	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	19	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0742	µg/L	EPA 608	0.0021	0.02			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	74	%	EPA 608	-88	-88	49	117	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0742	µg/L	EPA 608	0.0021	0.02			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	74	%	EPA 608	-88	-88	49	117	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.004	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-5	Lab	method blank	2/13/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-5	000NONPJ	matrix spike	1/24/2017	Pesticide	Glyphosate	n/a	=	28.7	µg/L	EPA 547	1.8	5			
2016/17-5	000NONPJ	matrix spike, rec	1/24/2017	Pesticide	Glyphosate	n/a	=	115	%	EPA 547	-88	-88	41	149	
2016/17-5	000NONPJ	matrix spike dup	1/24/2017	Pesticide	Glyphosate	n/a	=	28.8	µg/L	EPA 547	1.8	5			
2016/17-5	000NONPJ	matrix spike dup, rec	1/24/2017	Pesticide	Glyphosate	n/a	=	115	%	EPA 547	-88	-88	41	149	
2016/17-5	000NONPJ	matrix spike, RPD	1/24/2017	Pesticide	Glyphosate	n/a	=	0.4	%	EPA 547	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	000NONPJ	matrix spike	1/24/2017	Pesticide	Glyphosate	n/a	=	22.6	µg/L	EPA 547	1.8	5			
2016/17-5	000NONPJ	matrix spike, rec	1/24/2017	Pesticide	Glyphosate	n/a	=	71	%	EPA 547	-88	-88	41	149	
2016/17-5	000NONPJ	matrix spike dup	1/24/2017	Pesticide	Glyphosate	n/a	=	23.3	µg/L	EPA 547	1.8	5			
2016/17-5	000NONPJ	matrix spike dup, rec	1/24/2017	Pesticide	Glyphosate	n/a	=	74	%	EPA 547	-88	-88	41	149	
2016/17-5	000NONPJ	matrix spike, RPD	1/24/2017	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	
2016/17-5	Lab	method blank	1/24/2017	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-5	Lab	LCS	1/24/2017	Pesticide	Glyphosate	n/a	=	26.6	µg/L	EPA 547	1.8	5			
2016/17-5	Lab	LCS, rec	1/24/2017	Pesticide	Glyphosate	n/a	=	106	%	EPA 547	-88	-88	62	130	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Heptachlor	n/a	=	0.0917	µg/L	EPA 608	0.0017	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Heptachlor	n/a	=	92	%	EPA 608	-88	-88	31	130	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Heptachlor	n/a	=	0.108	µg/L	EPA 608	0.0017	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Heptachlor	n/a	=	108	%	EPA 608	-88	-88	31	130	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Heptachlor	n/a	=	16	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Heptachlor	n/a	=	0.0818	µg/L	EPA 608	0.0017	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Heptachlor	n/a	=	82	%	EPA 608	-88	-88	31	130	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Heptachlor	n/a	=	0.0806	µg/L	EPA 608	0.0017	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Heptachlor	n/a	=	81	%	EPA 608	-88	-88	31	130	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Heptachlor	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS	1/31/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0907	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS, rec	1/31/2017	Pesticide	Heptachlor epoxide	n/a	=	91	%	EPA 608	-88	-88	49	122	
2016/17-5	Lab	LCS dup	1/31/2017	Pesticide	Heptachlor epoxide	n/a	=	0.104	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS dup, rec	1/31/2017	Pesticide	Heptachlor epoxide	n/a	=	104	%	EPA 608	-88	-88	49	122	
2016/17-5	Lab	LCS, RPD	1/31/2017	Pesticide	Heptachlor epoxide	n/a	=	13	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS	2/13/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0851	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS, rec	2/13/2017	Pesticide	Heptachlor epoxide	n/a	=	85	%	EPA 608	-88	-88	49	122	
2016/17-5	Lab	LCS dup	2/13/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0844	µg/L	EPA 608	0.0019	0.01			
2016/17-5	Lab	LCS dup, rec	2/13/2017	Pesticide	Heptachlor epoxide	n/a	=	84	%	EPA 608	-88	-88	49	122	
2016/17-5	Lab	LCS, RPD	2/13/2017	Pesticide	Heptachlor epoxide	n/a	=	0.9	%	EPA 608	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Malathion	n/a	=	0.0582	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Malathion	n/a	=	116	%	EPA 525.2m	-88	-88	14	175	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Malathion	n/a	=	0.113	µg/L	EPA 525.2m	0.0076	0.01			GB
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Malathion	n/a	=	225	%	EPA 525.2m	-88	-88	6	184	GB
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Malathion	n/a	=	0.149	µg/L	EPA 525.2m	0.0076	0.01			GB
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Malathion	n/a	=	298	%	EPA 525.2m	-88	-88	6	184	GB
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Malathion	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	GB
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Merphos	n/a	=	0.0411	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Merphos	n/a	=	82	%	EPA 525.2m	-88	-88	28	181	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Merphos	n/a	=	0.0461	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Merphos	n/a	=	92	%	EPA 525.2m	-88	-88	3	210	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Merphos	n/a	=	0.0448	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Merphos	n/a	=	90	%	EPA 525.2m	-88	-88	3	210	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Merphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Methyl parathion	n/a	=	0.0831	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Methyl parathion	n/a	=	166	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Methyl parathion	n/a	=	0.15	µg/L	EPA 525.2m	0.0063	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Methyl parathion	n/a	=	300	%	EPA 525.2m	-88	-88	0.1	249	GB,IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Methyl parathion	n/a	=	0.212	µg/L	EPA 525.2m	0.0063	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Methyl parathion	n/a	=	424	%	EPA 525.2m	-88	-88	0.1	249	GB,IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Methyl parathion	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	GB,IL
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Metolachlor	n/a	=	4.98	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Metolachlor	n/a	=	100	%	EPA 525.2	-88	-88	61	123	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Metolachlor	n/a	=	4.9	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Metolachlor	n/a	=	98	%	EPA 525.2	-88	-88	61	123	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Metolachlor	n/a	=	5.47	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Metolachlor	n/a	=	109	%	EPA 525.2	-88	-88	61	123	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Metolachlor	n/a	=	6.28	µg/L	EPA 525.2	0.012	0.1			EUM
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Metolachlor	n/a	=	126	%	EPA 525.2	-88	-88	61	123	EUM
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Metolachlor	n/a	=	14	%	EPA 525.2	-88	-88	0	30	EUM
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Metribuzin	n/a	=	4.83	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Metribuzin	n/a	=	97	%	EPA 525.2	-88	-88	50	121	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Metribuzin	n/a	=	4	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Metribuzin	n/a	=	80	%	EPA 525.2	-88	-88	50	121	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Metribuzin	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Metribuzin	n/a	=	5.2	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Metribuzin	n/a	=	104	%	EPA 525.2	-88	-88	50	121	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Metribuzin	n/a	=	4.62	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Metribuzin	n/a	=	92	%	EPA 525.2	-88	-88	50	121	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Metribuzin	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Mevinphos	n/a	=	0.0443	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Mevinphos	n/a	=	89	%	EPA 525.2m	-88	-88	14	202	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Mevinphos	n/a	=	0.0783	µg/L	EPA 525.2m	0.0042	0.01			IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Mevinphos	n/a	=	157	%	EPA 525.2m	-88	-88	25	189	IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Mevinphos	n/a	=	0.107	µg/L	EPA 525.2m	0.0042	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Mevinphos	n/a	=	213	%	EPA 525.2m	-88	-88	25	189	GB,IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Mevinphos	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	GB,IL
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Molinate	n/a	=	4.88	µg/L	EPA 525.2	0.039	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Molinate	n/a	=	98	%	EPA 525.2	-88	-88	82	117	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Molinate	n/a	=	4.89	µg/L	EPA 525.2	0.039	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Molinate	n/a	=	98	%	EPA 525.2	-88	-88	82	117	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Molinate	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Molinate	n/a	=	5.17	µg/L	EPA 525.2	0.039	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	82	117	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Molinate	n/a	=	5.17	µg/L	EPA 525.2	0.039	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	82	117	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Molinate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Naled	n/a	=	0.0402	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Naled	n/a	=	80	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Naled	n/a	=	0.0715	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Naled	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Naled	n/a	=	0.0915	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Naled	n/a	=	183	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Naled	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.22	µg/L	EPA 515.3	0.04	0.2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.24	µg/L	EPA 515.3	0.04	0.2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.5	µg/L	EPA 515.3	0.04	0.2			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.54	µg/L	EPA 515.3	0.04	0.2			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.39	µg/L	EPA 515.3	0.04	0.2			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Pentachlorophenol	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	2/8/2017	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-5	Lab	LCS	2/8/2017	Pesticide	Pentachlorophenol	n/a	=	8.37	µg/L	EPA 8270C	0.15	1			
2016/17-5	Lab	LCS, rec	2/8/2017	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 8270C	-88	-88	29	106	
2016/17-5	Lab	LCS dup	2/8/2017	Pesticide	Pentachlorophenol	n/a	=	9.45	µg/L	EPA 8270C	0.15	1			
2016/17-5	Lab	LCS dup, rec	2/8/2017	Pesticide	Pentachlorophenol	n/a	=	94	%	EPA 8270C	-88	-88	29	106	
2016/17-5	Lab	LCS, RPD	2/8/2017	Pesticide	Pentachlorophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-5	Lab	method blank	2/11/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS	2/11/2017	Pesticide	Pentachlorophenol	n/a	=	13.9	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS, rec	2/11/2017	Pesticide	Pentachlorophenol	n/a	=	56	%	EPA 625	-88	-88	14	176	
2016/17-5	Lab	LCS dup	2/11/2017	Pesticide	Pentachlorophenol	n/a	=	14	µg/L	EPA 625	0.19	1			
2016/17-5	Lab	LCS dup, rec	2/11/2017	Pesticide	Pentachlorophenol	n/a	=	56	%	EPA 625	-88	-88	14	176	
2016/17-5	Lab	LCS, RPD	2/11/2017	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Phorate	n/a	=	0.0469	µg/L	EPA 525.2m	0.003	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Phorate	n/a	=	94	%	EPA 525.2m	-88	-88	26	180	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Phorate	n/a	=	0.0642	µg/L	EPA 525.2m	0.003	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Phorate	n/a	=	128	%	EPA 525.2m	-88	-88	31	181	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Phorate	n/a	=	0.0817	µg/L	EPA 525.2m	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Phorate	n/a	=	163	%	EPA 525.2m	-88	-88	31	181	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Phorate	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Picloram	n/a	=	4.29	µg/L	EPA 515.3	0.05	0.6			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Picloram	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Picloram	n/a	=	4.33	µg/L	EPA 515.3	0.05	0.6			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Picloram	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Picloram	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2016/17-5	000NONPJ	matrix spike	1/23/2017	Pesticide	Picloram	n/a	=	4.62	µg/L	EPA 515.3	0.05	0.6			
2016/17-5	000NONPJ	matrix spike, rec	1/23/2017	Pesticide	Picloram	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike dup	1/23/2017	Pesticide	Picloram	n/a	=	4.35	µg/L	EPA 515.3	0.05	0.6			
2016/17-5	000NONPJ	matrix spike dup, rec	1/23/2017	Pesticide	Picloram	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-5	000NONPJ	matrix spike, RPD	1/23/2017	Pesticide	Picloram	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-5	Lab	method blank	1/23/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-5	Lab	LCS	1/23/2017	Pesticide	Picloram	n/a	=	3.76	µg/L	EPA 515.3	0.05	0.6			
2016/17-5	Lab	LCS, rec	1/23/2017	Pesticide	Picloram	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Prometon	n/a	=	1.35	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Prometon	n/a	=	27	%	EPA 525.2	-88	-88	17	101	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Prometon	n/a	=	1.16	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Prometon	n/a	=	23	%	EPA 525.2	-88	-88	17	101	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Prometon	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Prometon	n/a	=	1.32	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Prometon	n/a	=	26	%	EPA 525.2	-88	-88	17	101	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Prometon	n/a	=	1.15	µg/L	EPA 525.2	0.024	0.2			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Prometon	n/a	=	23	%	EPA 525.2	-88	-88	17	101	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Prometon	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Prometryn	n/a	=	3	µg/L	EPA 525.2	0.036	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Prometryn	n/a	=	60	%	EPA 525.2	-88	-88	57	122	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Prometryn	n/a	=	2.47	µg/L	EPA 525.2	0.036	0.1			EUM
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Prometryn	n/a	=	49	%	EPA 525.2	-88	-88	57	122	EUM
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Prometryn	n/a	=	19	%	EPA 525.2	-88	-88	0	30	EUM
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Prometryn	n/a	=	3.12	µg/L	EPA 525.2	0.036	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Prometryn	n/a	=	62	%	EPA 525.2	-88	-88	57	122	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Prometryn	n/a	=	2.55	µg/L	EPA 525.2	0.036	0.1			EUM
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Prometryn	n/a	=	51	%	EPA 525.2	-88	-88	57	122	EUM
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Prometryn	n/a	=	20	%	EPA 525.2	-88	-88	0	30	EUM
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0479	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	96	%	EPA 525.2m	-88	-88	34	154	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.076	µg/L	EPA 525.2m	0.0041	0.01			IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	152	%	EPA 525.2m	-88	-88	29	153	IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.104	µg/L	EPA 525.2m	0.0041	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	208	%	EPA 525.2m	-88	-88	29	153	GB,IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	GB,IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Simazine	n/a	=	4.8	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Simazine	n/a	=	96	%	EPA 525.2	-88	-88	53	116	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Simazine	n/a	=	4.33	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Simazine	n/a	=	87	%	EPA 525.2	-88	-88	53	116	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Simazine	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Simazine	n/a	=	5.17	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Simazine	n/a	=	103	%	EPA 525.2	-88	-88	53	116	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Simazine	n/a	=	5	µg/L	EPA 525.2	0.015	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Simazine	n/a	=	100	%	EPA 525.2	-88	-88	53	116	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0591	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	118	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.112	µg/L	EPA 525.2m	0.0031	0.01			GB
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	223	%	EPA 525.2m	-88	-88	0.1	167	GB
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.142	µg/L	EPA 525.2m	0.0031	0.01			GB
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	284	%	EPA 525.2m	-88	-88	0.1	167	GB
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	GB
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Terbacil	n/a	=	4.73	µg/L	EPA 525.2	0.55	2			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Terbacil	n/a	=	95	%	EPA 525.2	-88	-88	70	135	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Terbacil	n/a	=	4.4	µg/L	EPA 525.2	0.55	2			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Terbacil	n/a	=	88	%	EPA 525.2	-88	-88	70	135	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Terbacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Terbacil	n/a	=	5.56	µg/L	EPA 525.2	0.55	2			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Terbacil	n/a	=	111	%	EPA 525.2	-88	-88	70	135	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Terbacil	n/a	=	5.07	µg/L	EPA 525.2	0.55	2			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Terbacil	n/a	=	101	%	EPA 525.2	-88	-88	70	135	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Terbacil	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Thiobencarb	n/a	=	5.29	µg/L	EPA 525.2	0.025	0.2			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Thiobencarb	n/a	=	106	%	EPA 525.2	-88	-88	56	125	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Thiobencarb	n/a	=	5.23	µg/L	EPA 525.2	0.025	0.2			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Thiobencarb	n/a	=	105	%	EPA 525.2	-88	-88	56	125	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Thiobencarb	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Thiobencarb	n/a	=	5.52	µg/L	EPA 525.2	0.025	0.2			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Thiobencarb	n/a	=	110	%	EPA 525.2	-88	-88	56	125	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Thiobencarb	n/a	=	6.11	µg/L	EPA 525.2	0.025	0.2			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Thiobencarb	n/a	=	122	%	EPA 525.2	-88	-88	56	125	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Thiobencarb	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Tokuthion	n/a	=	0.0423	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Tokuthion	n/a	=	85	%	EPA 525.2m	-88	-88	23	159	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Tokuthion	n/a	=	0.0376	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Tokuthion	n/a	=	75	%	EPA 525.2m	-88	-88	27	160	
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Tokuthion	n/a	=	0.039	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Tokuthion	n/a	=	78	%	EPA 525.2m	-88	-88	27	160	
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Tokuthion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-5	Lab	method blank	1/31/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-5	Lab	method blank	2/13/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-5	Lab	method blank	2/6/2017	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-5	Lab	LCS	2/6/2017	Pesticide	Trichloronate	n/a	=	0.0489	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-5	Lab	LCS, rec	2/6/2017	Pesticide	Trichloronate	n/a	=	98	%	EPA 525.2m	-88	-88	34	153	
2016/17-5	MO-HUE	matrix spike	2/6/2017	Pesticide	Trichloronate	n/a	=	0.073	µg/L	EPA 525.2m	0.0067	0.01			IL
2016/17-5	MO-HUE	matrix spike, rec	2/6/2017	Pesticide	Trichloronate	n/a	=	146	%	EPA 525.2m	-88	-88	40	150	IL
2016/17-5	MO-HUE	matrix spike dup	2/6/2017	Pesticide	Trichloronate	n/a	=	0.1	µg/L	EPA 525.2m	0.0067	0.01			GB,IL
2016/17-5	MO-HUE	matrix spike dup, rec	2/6/2017	Pesticide	Trichloronate	n/a	=	200	%	EPA 525.2m	-88	-88	40	150	GB,IL
2016/17-5	MO-HUE	matrix spike, RPD	2/6/2017	Pesticide	Trichloronate	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	GB,IL
2016/17-5	Lab	method blank	1/27/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS	1/27/2017	Pesticide	Trithion	n/a	=	4.34	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS, rec	1/27/2017	Pesticide	Trithion	n/a	=	87	%	EPA 525.2	-88	-88	60	124	
2016/17-5	Lab	LCS dup	1/27/2017	Pesticide	Trithion	n/a	=	4.53	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS dup, rec	1/27/2017	Pesticide	Trithion	n/a	=	91	%	EPA 525.2	-88	-88	60	124	
2016/17-5	Lab	LCS, RPD	1/27/2017	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-5	Lab	method blank	1/30/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS	1/30/2017	Pesticide	Trithion	n/a	=	4.88	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS, rec	1/30/2017	Pesticide	Trithion	n/a	=	98	%	EPA 525.2	-88	-88	60	124	
2016/17-5	Lab	LCS dup	1/30/2017	Pesticide	Trithion	n/a	=	5.19	µg/L	EPA 525.2	0.012	0.1			
2016/17-5	Lab	LCS dup, rec	1/30/2017	Pesticide	Trithion	n/a	=	104	%	EPA 525.2	-88	-88	60	124	
2016/17-5	Lab	LCS, RPD	1/30/2017	Pesticide	Trithion	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Anion	Chloride	n/a	=	245	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike	5/15/2017	Anion	Chloride	n/a	=	222	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Anion	Chloride	n/a	=	223	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Anion	Chloride	n/a	=	245	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Anion	Chloride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Anion	Chloride	n/a	=	0.008	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/30/2017	Anion	Chloride	n/a	=	121	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike	5/30/2017	Anion	Chloride	n/a	=	236	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	5/30/2017	Anion	Chloride	n/a	=	235	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	5/30/2017	Anion	Chloride	n/a	=	121	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/30/2017	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike dup, rec	5/30/2017	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, rec	5/30/2017	Anion	Chloride	n/a	=	104	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, rec	5/30/2017	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, RPD	5/30/2017	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	5/30/2017	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Chloride	n/a	=	907	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Chloride	n/a	=	718	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Chloride	n/a	=	716	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Chloride	n/a	=	908	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Chloride	n/a	=	158	%	EPA 300.0	-88	-88	76	118	GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Chloride	n/a	=	125	%	EPA 300.0	-88	-88	76	118	GB
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Chloride	n/a	=	127	%	EPA 300.0	-88	-88	76	118	GB
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Chloride	n/a	=	156	%	EPA 300.0	-88	-88	76	118	GB
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Chloride	n/a	=	192	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Chloride	n/a	=	157	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Chloride	n/a	=	157	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Chloride	n/a	=	192	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Chloride	n/a	=	0.09	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Chloride	n/a	=	0.07	%	EPA 300.0	-88	-88	0	20	
2016/17-6	Lab	LCS	5/15/2017	Anion	Chloride	n/a	=	10.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	5/15/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS	5/30/2017	Anion	Chloride	n/a	=	10.7	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	5/30/2017	Anion	Chloride	n/a	=	107	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	5/30/2017	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS	6/5/2017	Anion	Chloride	n/a	=	10.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	6/5/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	6/5/2017	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS	6/5/2017	Anion	Chloride	n/a	=	10.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	6/5/2017	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	6/5/2017	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	000NONPJ	matrix spike	5/15/2017	Anion	Fluoride	n/a	=	10.5	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike	5/15/2017	Anion	Fluoride	n/a	=	10.6	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Anion	Fluoride	n/a	=	10.5	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Anion	Fluoride	n/a	=	10.7	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Anion	Fluoride	n/a	=	101	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Anion	Fluoride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Anion	Fluoride	n/a	=	0	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/30/2017	Anion	Fluoride	n/a	=	10.5	mg/L	EPA 300.0	0.18	1			
2016/17-6	000NONPJ	matrix spike	5/30/2017	Anion	Fluoride	n/a	=	16.8	mg/L	EPA 300.0	0.18	1			
2016/17-6	000NONPJ	matrix spike dup	5/30/2017	Anion	Fluoride	n/a	=	10.5	mg/L	EPA 300.0	0.18	1			
2016/17-6	000NONPJ	matrix spike dup	5/30/2017	Anion	Fluoride	n/a	=	16.7	mg/L	EPA 300.0	0.18	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/30/2017	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	86	107	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup, rec	5/30/2017	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, rec	5/30/2017	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, rec	5/30/2017	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, RPD	5/30/2017	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	5/30/2017	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Fluoride	n/a	=	10.1	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Fluoride	n/a	=	10.1	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	86	107	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2016/17-6	Lab	LCS	5/15/2017	Anion	Fluoride	n/a	=	1.09	mg/L	EPA 300.0	0.02	0.1			
2016/17-6	Lab	LCS, rec	5/15/2017	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-6	Lab	LCS	5/30/2017	Anion	Fluoride	n/a	=	1.01	mg/L	EPA 300.0	0.018	0.1			
2016/17-6	Lab	LCS, rec	5/30/2017	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	5/30/2017	Anion	Fluoride	n/a	<	0.018	mg/L	EPA 300.0	0.018	0.1			
2016/17-6	Lab	LCS	6/5/2017	Anion	Fluoride	n/a	=	1.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-6	Lab	LCS, rec	6/5/2017	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	6/5/2017	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2016/17-6	000NONPJ	matrix spike	5/12/2017	Anion	Perchlorate	n/a	=	8.1	µg/L	EPA 314.0	0.95	2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Anion	Perchlorate	n/a	=	81	%	EPA 314.0	-88	-88	80	120	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Anion	Perchlorate	n/a	=	8.37	µg/L	EPA 314.0	0.95	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Anion	Perchlorate	n/a	=	84	%	EPA 314.0	-88	-88	80	120	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Anion	Perchlorate	n/a	=	3	%	EPA 314.0	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike	5/31/2017	Anion	Perchlorate	n/a	=	17.3	µg/L	EPA 314.0	0.95	2			
2016/17-6	000NONPJ	matrix spike, rec	5/31/2017	Anion	Perchlorate	n/a	=	105	%	EPA 314.0	-88	-88	80	120	
2016/17-6	000NONPJ	matrix spike dup	5/31/2017	Anion	Perchlorate	n/a	=	17.9	µg/L	EPA 314.0	0.95	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/31/2017	Anion	Perchlorate	n/a	=	111	%	EPA 314.0	-88	-88	80	120	
2016/17-6	000NONPJ	matrix spike, RPD	5/31/2017	Anion	Perchlorate	n/a	=	3	%	EPA 314.0	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike	6/20/2017	Anion	Perchlorate	n/a	=	60	µg/L	EPA 314.0	4.8	10			GB
2016/17-6	000NONPJ	matrix spike, rec	6/20/2017	Anion	Perchlorate	n/a	=	-11	%	EPA 314.0	-88	-88	80	120	GB
2016/17-6	000NONPJ	matrix spike dup	6/20/2017	Anion	Perchlorate	n/a	=	87.6	µg/L	EPA 314.0	4.8	10			GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/20/2017	Anion	Perchlorate	n/a	=	44	%	EPA 314.0	-88	-88	80	120	GB
2016/17-6	000NONPJ	matrix spike, RPD	6/20/2017	Anion	Perchlorate	n/a	=	37	%	EPA 314.0	-88	-88	0	15	IL
2016/17-6	Lab	method blank	5/12/2017	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-6	Lab	LCS	5/12/2017	Anion	Perchlorate	n/a	=	10.8	µg/L	EPA 314.0	0.95	2			
2016/17-6	Lab	LCS, rec	5/12/2017	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	85	115	
2016/17-6	Lab	method blank	5/31/2017	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-6	Lab	LCS	5/31/2017	Anion	Perchlorate	n/a	=	10.6	µg/L	EPA 314.0	0.95	2			
2016/17-6	Lab	LCS, rec	5/31/2017	Anion	Perchlorate	n/a	=	106	%	EPA 314.0	-88	-88	85	115	
2016/17-6	Lab	method blank	6/20/2017	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2016/17-6	Lab	LCS	6/20/2017	Anion	Perchlorate	n/a	=	9.71	µg/L	EPA 314.0	0.95	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	6/20/2017	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	85	115	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Anion	Sulfate	Total	=	262	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike	5/15/2017	Anion	Sulfate	Total	=	145	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Anion	Sulfate	Total	=	262	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Anion	Sulfate	Total	=	145	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Anion	Sulfate	Total	=	0.5	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/30/2017	Anion	Sulfate	Total	=	130	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike	5/30/2017	Anion	Sulfate	Total	=	349	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup	5/30/2017	Anion	Sulfate	Total	=	348	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup	5/30/2017	Anion	Sulfate	Total	=	130	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/30/2017	Anion	Sulfate	Total	=	146	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/30/2017	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, rec	5/30/2017	Anion	Sulfate	Total	=	147	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike, rec	5/30/2017	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, RPD	5/30/2017	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	5/30/2017	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Sulfate	Total	=	252	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Sulfate	Total	=	274	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Sulfate	Total	=	250	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Sulfate	Total	=	275	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Sulfate	Total	=	117	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Sulfate	Total	=	112	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Sulfate	Total	=	114	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Sulfate	Total	=	117	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Sulfate	Total	=	0.6	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Sulfate	Total	=	600	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike	6/5/2017	Anion	Sulfate	Total	=	184	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Sulfate	Total	=	184	mg/L	EPA 300.0	1	5			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Anion	Sulfate	Total	=	599	mg/L	EPA 300.0	1	5			GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Sulfate	Total	=	125	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Sulfate	Total	=	125	%	EPA 300.0	-88	-88	78	111	GB
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Sulfate	Total	=	0.1	%	EPA 300.0	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Anion	Sulfate	Total	=	0.06	%	EPA 300.0	-88	-88	0	20	
2016/17-6	Lab	LCS	5/15/2017	Anion	Sulfate	Total	=	10.4	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	5/15/2017	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Anion	Sulfate	Total	DNQ	0.101	mg/L	EPA 300.0	0.1	0.5			IP
2016/17-6	Lab	LCS	5/30/2017	Anion	Sulfate	Total	=	10.7	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	5/30/2017	Anion	Sulfate	Total	=	107	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	5/30/2017	Anion	Sulfate	Total	DNQ	0.125	mg/L	EPA 300.0	0.1	0.5			IP

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/5/2017	Anion	Sulfate	Total	=	10.3	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	6/5/2017	Anion	Sulfate	Total	=	103	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	6/5/2017	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS	6/5/2017	Anion	Sulfate	Total	=	10.5	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	LCS, rec	6/5/2017	Anion	Sulfate	Total	=	105	%	EPA 300.0	-88	-88	90	110	
2016/17-6	Lab	method blank	6/5/2017	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2016/17-6	Lab	method blank	5/19/2017	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	Lab	LCS	5/19/2017	Cation	Calcium	Total	=	51.5	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/8/2017	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	Lab	LCS	6/8/2017	Cation	Calcium	Total	=	52	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	Lab	LCS, rec	6/8/2017	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/9/2017	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	Lab	LCS	6/9/2017	Cation	Calcium	Total	=	51.8	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	Lab	LCS, rec	6/9/2017	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	85	115	
2016/17-6	ME-CC	matrix spike	6/9/2017	Cation	Calcium	Total	=	154	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	ME-CC	matrix spike, rec	6/9/2017	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike dup	6/9/2017	Cation	Calcium	Total	=	153	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	ME-CC	matrix spike dup, rec	6/9/2017	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike, RPD	6/9/2017	Cation	Calcium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-SCR	matrix spike	5/19/2017	Cation	Calcium	Total	=	226	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	ME-SCR	matrix spike, rec	5/19/2017	Cation	Calcium	Total	=	77	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike dup	5/19/2017	Cation	Calcium	Total	=	222	mg/L	EPA 200.7	0.016	0.1			GB
2016/17-6	ME-SCR	matrix spike dup, rec	5/19/2017	Cation	Calcium	Total	=	69	%	EPA 200.7	-88	-88	70	130	GB
2016/17-6	ME-SCR	matrix spike, RPD	5/19/2017	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/8/2017	Cation	Calcium	Total	=	204	mg/L	EPA 200.7	0.016	0.1			GB
2016/17-6	ME-VR2	matrix spike, rec	6/8/2017	Cation	Calcium	Total	=	133	%	EPA 200.7	-88	-88	70	130	GB
2016/17-6	ME-VR2	matrix spike dup	6/8/2017	Cation	Calcium	Total	=	190	mg/L	EPA 200.7	0.016	0.1			
2016/17-6	ME-VR2	matrix spike dup, rec	6/8/2017	Cation	Calcium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/8/2017	Cation	Calcium	Total	=	7	%	EPA 200.7	-88	-88	0	30	
2016/17-6	Lab	method blank	5/19/2017	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	Lab	LCS	5/19/2017	Cation	Magnesium	Total	=	52.2	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/8/2017	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	Lab	LCS	6/8/2017	Cation	Magnesium	Total	=	51	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	Lab	LCS, rec	6/8/2017	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/9/2017	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	Lab	LCS	6/9/2017	Cation	Magnesium	Total	=	50.7	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	Lab	LCS, rec	6/9/2017	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2016/17-6	ME-CC	matrix spike	6/9/2017	Cation	Magnesium	Total	=	112	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	ME-CC	matrix spike, rec	6/9/2017	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike dup	6/9/2017	Cation	Magnesium	Total	=	112	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	ME-CC	matrix spike dup, rec	6/9/2017	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike, RPD	6/9/2017	Cation	Magnesium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-SCR	matrix spike	5/19/2017	Cation	Magnesium	Total	=	138	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	ME-SCR	matrix spike, rec	5/19/2017	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike dup	5/19/2017	Cation	Magnesium	Total	=	136	mg/L	EPA 200.7	0.012	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-SCR	matrix spike dup, rec	5/19/2017	Cation	Magnesium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike, RPD	5/19/2017	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/8/2017	Cation	Magnesium	Total	=	94.8	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	ME-VR2	matrix spike, rec	6/8/2017	Cation	Magnesium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike dup	6/8/2017	Cation	Magnesium	Total	=	88.1	mg/L	EPA 200.7	0.012	0.1			
2016/17-6	ME-VR2	matrix spike dup, rec	6/8/2017	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/8/2017	Cation	Magnesium	Total	=	7	%	EPA 200.7	-88	-88	0	30	
2016/17-6	Lab	method blank	5/19/2017	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	Lab	LCS	5/19/2017	Cation	Potassium	Total	=	54.6	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Cation	Potassium	Total	=	109	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/8/2017	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	Lab	LCS	6/8/2017	Cation	Potassium	Total	=	54.2	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	Lab	LCS, rec	6/8/2017	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/9/2017	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	Lab	LCS	6/9/2017	Cation	Potassium	Total	=	54.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	Lab	LCS, rec	6/9/2017	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2016/17-6	ME-CC	matrix spike	6/9/2017	Cation	Potassium	Total	=	76.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	ME-CC	matrix spike, rec	6/9/2017	Cation	Potassium	Total	=	120	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike dup	6/9/2017	Cation	Potassium	Total	=	76	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	ME-CC	matrix spike dup, rec	6/9/2017	Cation	Potassium	Total	=	120	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike, RPD	6/9/2017	Cation	Potassium	Total	=	0.07	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-SCR	matrix spike	5/19/2017	Cation	Potassium	Total	=	61.1	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	ME-SCR	matrix spike, rec	5/19/2017	Cation	Potassium	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike dup	5/19/2017	Cation	Potassium	Total	=	60.2	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	ME-SCR	matrix spike dup, rec	5/19/2017	Cation	Potassium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike, RPD	5/19/2017	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/8/2017	Cation	Potassium	Total	=	64.2	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	ME-VR2	matrix spike, rec	6/8/2017	Cation	Potassium	Total	=	122	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike dup	6/8/2017	Cation	Potassium	Total	=	59.6	mg/L	EPA 200.7	0.081	0.1			
2016/17-6	ME-VR2	matrix spike dup, rec	6/8/2017	Cation	Potassium	Total	=	113	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/8/2017	Cation	Potassium	Total	=	8	%	EPA 200.7	-88	-88	0	30	
2016/17-6	Lab	method blank	5/19/2017	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	Lab	LCS	5/19/2017	Cation	Sodium	Total	=	52.9	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	Lab	LCS, rec	5/19/2017	Cation	Sodium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/8/2017	Cation	Sodium	Total	=	1.04	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-6	Lab	LCS	6/8/2017	Cation	Sodium	Total	=	54.3	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	Lab	LCS, rec	6/8/2017	Cation	Sodium	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/9/2017	Cation	Sodium	Total	=	0.575	mg/L	EPA 200.7	0.015	0.5			IP
2016/17-6	Lab	LCS	6/9/2017	Cation	Sodium	Total	=	52.1	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	Lab	LCS, rec	6/9/2017	Cation	Sodium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/11/2017	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	Lab	LCS	6/11/2017	Cation	Sodium	Total	=	51.2	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	Lab	LCS, rec	6/11/2017	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2016/17-6	ME-CC	matrix spike	6/9/2017	Cation	Sodium	Total	=	250	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-CC	matrix spike, rec	6/9/2017	Cation	Sodium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike dup	6/9/2017	Cation	Sodium	Total	=	247	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-CC	matrix spike dup, rec	6/9/2017	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-CC	matrix spike, RPD	6/9/2017	Cation	Sodium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-SCR	matrix spike	5/19/2017	Cation	Sodium	Total	=	199	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-SCR	matrix spike, rec	5/19/2017	Cation	Sodium	Total	=	83	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike dup	5/19/2017	Cation	Sodium	Total	=	195	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-SCR	matrix spike dup, rec	5/19/2017	Cation	Sodium	Total	=	75	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike, RPD	5/19/2017	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/8/2017	Cation	Sodium	Total	=	124	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-VR2	matrix spike, rec	6/8/2017	Cation	Sodium	Total	=	125	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike dup	6/8/2017	Cation	Sodium	Total	=	114	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-VR2	matrix spike dup, rec	6/8/2017	Cation	Sodium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/8/2017	Cation	Sodium	Total	=	8	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/11/2017	Cation	Sodium	Total	=	109	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-VR2	matrix spike, rec	6/11/2017	Cation	Sodium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike dup	6/11/2017	Cation	Sodium	Total	=	112	mg/L	EPA 200.7	0.015	0.5			
2016/17-6	ME-VR2	matrix spike dup, rec	6/11/2017	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/11/2017	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2016/17-6	000NONPJ	lab duplicate	5/12/2017	Conventional	Alkalinity as CaCO3	n/a	=	55.9	mg/L	SM 2320 B	0.56	2		15	
2016/17-6	000NONPJ	lab duplicate	5/24/2017	Conventional	Alkalinity as CaCO3	n/a	=	103	mg/L	SM 2320 B	0.56	10		15	
2016/17-6	Lab	LCS	5/5/2017	Conventional	Alkalinity as CaCO3	n/a	=	245	mg/L	SM 2320 B	0.56	10			
2016/17-6	Lab	LCS, rec	5/5/2017	Conventional	Alkalinity as CaCO3	n/a	=	98	%	SM 2320 B	-88	-88	94	108	
2016/17-6	Lab	method blank	5/5/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	3.03	mg/L	SM 2320 B	0.56	10			IP
2016/17-6	Lab	LCS	5/12/2017	Conventional	Alkalinity as CaCO3	n/a	=	262	mg/L	SM 2320 B	0.56	2			
2016/17-6	Lab	LCS, rec	5/12/2017	Conventional	Alkalinity as CaCO3	n/a	=	105	%	SM 2320 B	-88	-88	94	108	
2016/17-6	Lab	method blank	5/12/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.55	mg/L	SM 2320 B	0.56	2			IP
2016/17-6	Lab	LCS	5/19/2017	Conventional	Alkalinity as CaCO3	n/a	=	244	mg/L	SM 2320 B	0.56	10			
2016/17-6	Lab	LCS, rec	5/19/2017	Conventional	Alkalinity as CaCO3	n/a	=	98	%	SM 2320 B	-88	-88	94	108	
2016/17-6	Lab	method blank	5/19/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	2.69	mg/L	SM 2320 B	0.56	10			IP
2016/17-6	Lab	LCS	5/24/2017	Conventional	Alkalinity as CaCO3	n/a	=	241	mg/L	SM 2320 B	0.56	10			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	Alkalinity as CaCO3	n/a	=	97	%	SM 2320 B	-88	-88	94	108	
2016/17-6	Lab	method blank	5/24/2017	Conventional	Alkalinity as CaCO3	n/a	DNQ	2.88	mg/L	SM 2320 B	0.56	10			IP
2016/17-6	ME-CC	lab duplicate	5/19/2017	Conventional	Alkalinity as CaCO3	n/a	=	272	mg/L	SM 2320 B	0.56	10		15	
2016/17-6	ME-SCR	lab duplicate	5/5/2017	Conventional	Alkalinity as CaCO3	n/a	=	179	mg/L	SM 2320 B	0.56	10		15	
2016/17-6	000NONPJ	lab duplicate	5/10/2017	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2016/17-6	000NONPJ	lab duplicate	5/24/2017	Conventional	BOD	n/a	=	912	mg/L	SM 5210 B	2	2		20	
2016/17-6	Lab	LCS	5/10/2017	Conventional	BOD	n/a	=	194	mg/L	SM 5210 B	2	2			
2016/17-6	Lab	LCS, rec	5/10/2017	Conventional	BOD	n/a	=	98	%	SM 5210 B	-88	-88	85	115	
2016/17-6	Lab	LCS	5/24/2017	Conventional	BOD	n/a	=	204	mg/L	SM 5210 B	2	2			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	BOD	n/a	=	103	%	SM 5210 B	-88	-88	85	115	
2016/17-6	Lab	LCS	5/29/2017	Conventional	BOD	n/a	=	180	mg/L	SM 5210 B	2	2			
2016/17-6	Lab	LCS, rec	5/29/2017	Conventional	BOD	n/a	=	91	%	SM 5210 B	-88	-88	85	115	
2016/17-6	MO-HUE	lab duplicate	5/29/2017	Conventional	BOD	n/a	=	8.11	mg/L	SM 5210 B	2	2		20	
2016/17-6	000NONPJ	lab duplicate	5/10/2017	Conventional	COD	n/a	=	805	mg/L	EPA 410.4	1.5	10		15	
2016/17-6	000NONPJ	matrix spike	5/10/2017	Conventional	COD	n/a	=	212	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike	5/10/2017	Conventional	COD	n/a	=	227	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Conventional	COD	n/a	=	209	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Conventional	COD	n/a	=	228	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Conventional	COD	n/a	=	0.5	%	EPA 410.4	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2016/17-6	000NONPJ	lab duplicate	5/15/2017	Conventional	COD	n/a	=	817	mg/L	EPA 410.4	1.5	10		15	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Conventional	COD	n/a	=	221	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike	5/15/2017	Conventional	COD	n/a	=	266	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Conventional	COD	n/a	=	276	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Conventional	COD	n/a	=	240	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Conventional	COD	n/a	=	8	%	EPA 410.4	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Conventional	COD	n/a	=	4	%	EPA 410.4	-88	-88	0	15	
2016/17-6	000NONPJ	lab duplicate	5/26/2017	Conventional	COD	n/a	=	680	mg/L	EPA 410.4	1.5	10		15	
2016/17-6	000NONPJ	matrix spike	5/26/2017	Conventional	COD	n/a	=	205	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike	5/26/2017	Conventional	COD	n/a	=	216	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	5/26/2017	Conventional	COD	n/a	=	210	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	5/26/2017	Conventional	COD	n/a	=	213	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup, rec	5/26/2017	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup, rec	5/26/2017	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/26/2017	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/26/2017	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/26/2017	Conventional	COD	n/a	=	4	%	EPA 410.4	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike, RPD	5/26/2017	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2016/17-6	000NONPJ	lab duplicate	6/1/2017	Conventional	COD	n/a	=	5890	mg/L	EPA 410.4	7.3	50		15	
2016/17-6	000NONPJ	matrix spike	6/1/2017	Conventional	COD	n/a	=	228	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup	6/1/2017	Conventional	COD	n/a	=	228	mg/L	EPA 410.4	1.5	10			
2016/17-6	000NONPJ	matrix spike dup, rec	6/1/2017	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	6/1/2017	Conventional	COD	n/a	=	106	%	EPA 410.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	6/1/2017	Conventional	COD	n/a	=	0.4	%	EPA 410.4	-88	-88	0	15	
2016/17-6	Lab	LCS	5/10/2017	Conventional	COD	n/a	=	97.5	mg/L	EPA 410.4	0.73	5			
2016/17-6	Lab	LCS, rec	5/10/2017	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-6	Lab	method blank	5/10/2017	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2016/17-6	Lab	LCS	5/15/2017	Conventional	COD	n/a	=	93.8	mg/L	EPA 410.4	0.73	5			
2016/17-6	Lab	LCS, rec	5/15/2017	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Conventional	COD	n/a	DNQ	1.06	mg/L	EPA 410.4	0.73	5			IP
2016/17-6	Lab	LCS	5/26/2017	Conventional	COD	n/a	=	98.3	mg/L	EPA 410.4	0.73	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2016/17-6	Lab	method blank	5/26/2017	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2016/17-6	Lab	LCS	6/1/2017	Conventional	COD	n/a	=	96	mg/L	EPA 410.4	0.73	5			
2016/17-6	Lab	LCS, rec	6/1/2017	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2016/17-6	Lab	method blank	6/1/2017	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2016/17-6	000NONPJ	matrix spike	5/10/2017	Conventional	Cyanide	Total	=	0.0467	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	000NONPJ	matrix spike	5/10/2017	Conventional	Cyanide	Total	=	0.0484	mg/L	ASTM D7511	0.0005	0.002			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Conventional	Cyanide	Total	=	0.0465	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Conventional	Cyanide	Total	=	0.0485	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	64	136	
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	64	136	
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Conventional	Cyanide	Total	=	0.3	%	ASTM D7511	-88	-88	0	47	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Conventional	Cyanide	Total	=	0.5	%	ASTM D7511	-88	-88	0	47	
2016/17-6	Lab	LCS	5/10/2017	Conventional	Cyanide	Total	=	0.0472	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	Lab	LCS, rec	5/10/2017	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2016/17-6	Lab	method blank	5/10/2017	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	Lab	LCS	5/24/2017	Conventional	Cyanide	Total	=	0.0489	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	84	116	
2016/17-6	Lab	method blank	5/24/2017	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	MO-SIM	matrix spike	5/24/2017	Conventional	Cyanide	Total	=	0.0493	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	MO-SIM	matrix spike dup	5/24/2017	Conventional	Cyanide	Total	=	0.0506	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	MO-SIM	matrix spike dup, rec	5/24/2017	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	64	136	
2016/17-6	MO-SIM	matrix spike, rec	5/24/2017	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	64	136	
2016/17-6	MO-SIM	matrix spike, RPD	5/24/2017	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2016/17-6	MO-THO	matrix spike	5/24/2017	Conventional	Cyanide	Total	=	0.0486	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	MO-THO	matrix spike dup	5/24/2017	Conventional	Cyanide	Total	=	0.0473	mg/L	ASTM D7511	0.0005	0.002			
2016/17-6	MO-THO	matrix spike dup, rec	5/24/2017	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2016/17-6	MO-THO	matrix spike, rec	5/24/2017	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2016/17-6	MO-THO	matrix spike, RPD	5/24/2017	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2016/17-6	Lab	LCS	5/16/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.36	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS dup	5/16/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.34	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS dup, rec	5/16/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	107	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, rec	5/16/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	107	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, RPD	5/16/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.5	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	method blank	5/16/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS	5/24/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.29	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS dup	5/24/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.04	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	101	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	106	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, RPD	5/24/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	method blank	5/24/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS	6/1/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.1	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS dup	6/1/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.3	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	Lab	LCS dup, rec	6/1/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	106	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, rec	6/1/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	102	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, RPD	6/1/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	=	4	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	method blank	6/1/2017	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 C	0.5	0.5			
2016/17-6	000NONPJ	lab duplicate	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	13.2	mg/L	SM 5310 C	0.052	1.2		20	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	29.7	mg/L	SM 5310 C	0.052	1.2			
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	29.7	mg/L	SM 5310 C	0.052	1.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	82	%	SM 5310 C	-88	-88	75	113	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	82	%	SM 5310 C	-88	-88	75	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	0.2	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	LCS	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	4.98	mg/L	SM 5310 C	0.013	0.3			
2016/17-6	Lab	LCS, rec	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	100	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	method blank	5/15/2017	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0951	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-6	Lab	LCS	5/23/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	9.99	mg/L	SM 5310 C	0.013	0.3			
2016/17-6	Lab	LCS dup	5/23/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	9.93	mg/L	SM 5310 C	0.013	0.3			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	99	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, rec	5/23/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	100	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, RPD	5/23/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	0.6	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	method blank	5/23/2017	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0426	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-6	Lab	LCS	6/5/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	9.99	mg/L	SM 5310 C	0.013	0.3			
2016/17-6	Lab	LCS dup	6/5/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	10.1	mg/L	SM 5310 C	0.013	0.3			
2016/17-6	Lab	LCS dup, rec	6/5/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	101	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, rec	6/5/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	100	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, RPD	6/5/2017	Conventional	Dissolved Organic Carbon	Dissolved	=	0.7	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	method blank	6/5/2017	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0608	mg/L	SM 5310 C	0.013	0.3			IP
2016/17-6	000NONPJ	matrix spike	5/4/2017	Conventional	MBAS	n/a	=	0.216	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike dup	5/4/2017	Conventional	MBAS	n/a	=	0.218	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike dup, rec	5/4/2017	Conventional	MBAS	n/a	=	109	%	SM 5540 C	-88	-88	74	123	
2016/17-6	000NONPJ	matrix spike, rec	5/4/2017	Conventional	MBAS	n/a	=	108	%	SM 5540 C	-88	-88	74	123	
2016/17-6	000NONPJ	matrix spike, RPD	5/4/2017	Conventional	MBAS	n/a	=	0.9	%	SM 5540 C	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Conventional	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Conventional	MBAS	n/a	=	0.236	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Conventional	MBAS	n/a	=	118	%	SM 5540 C	-88	-88	74	123	
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Conventional	MBAS	n/a	=	115	%	SM 5540 C	-88	-88	74	123	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Conventional	MBAS	n/a	=	0.236	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Conventional	MBAS	n/a	=	0.231	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	74	123	
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Conventional	MBAS	n/a	=	103	%	SM 5540 C	-88	-88	74	123	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2016/17-6	Lab	LCS	5/4/2017	Conventional	MBAS	n/a	=	0.208	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	Lab	LCS, rec	5/4/2017	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	82	115	
2016/17-6	Lab	method blank	5/4/2017	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	Lab	LCS	5/19/2017	Conventional	MBAS	n/a	=	0.202	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	Lab	LCS, rec	5/19/2017	Conventional	MBAS	n/a	=	101	%	SM 5540 C	-88	-88	82	115	
2016/17-6	Lab	method blank	5/19/2017	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	Lab	LCS	5/24/2017	Conventional	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	82	115	
2016/17-6	Lab	method blank	5/24/2017	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2016/17-6	000NONPJ	matrix spike	5/22/2017	Conventional	Phenolics	n/a	=	0.512	mg/L	EPA 420.4	0.0084	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/22/2017	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/22/2017	Conventional	Phenolics	n/a	=	0.511	mg/L	EPA 420.4	0.0084	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/22/2017	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/22/2017	Conventional	Phenolics	n/a	=	0.3	%	EPA 420.4	-88	-88	0	20	
2016/17-6	Lab	method blank	5/12/2017	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	Lab	LCS	5/12/2017	Conventional	Phenolics	n/a	=	0.0993	mg/L	EPA 420.4	0.0042	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/12/2017	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2016/17-6	Lab	method blank	5/22/2017	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	Lab	LCS	5/22/2017	Conventional	Phenolics	n/a	=	0.0994	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	Lab	LCS, rec	5/22/2017	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2016/17-6	Lab	method blank	6/1/2017	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	Lab	LCS	6/1/2017	Conventional	Phenolics	n/a	=	0.1	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	Lab	LCS, rec	6/1/2017	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2016/17-6	ME-SCR	matrix spike	5/12/2017	Conventional	Phenolics	n/a	=	0.253	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	ME-SCR	matrix spike, rec	5/12/2017	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2016/17-6	ME-SCR	matrix spike dup	5/12/2017	Conventional	Phenolics	n/a	=	0.253	mg/L	EPA 420.4	0.0042	0.01			
2016/17-6	ME-SCR	matrix spike dup, rec	5/12/2017	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2016/17-6	ME-SCR	matrix spike, RPD	5/12/2017	Conventional	Phenolics	n/a	=	0.2	%	EPA 420.4	-88	-88	0	20	
2016/17-6	ME-VR2	matrix spike	6/1/2017	Conventional	Phenolics	n/a	=	0.468	mg/L	EPA 420.4	0.0084	0.02			
2016/17-6	ME-VR2	matrix spike, rec	6/1/2017	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike dup	6/1/2017	Conventional	Phenolics	n/a	=	0.47	mg/L	EPA 420.4	0.0084	0.02			
2016/17-6	ME-VR2	matrix spike dup, rec	6/1/2017	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike, RPD	6/1/2017	Conventional	Phenolics	n/a	=	0.5	%	EPA 420.4	-88	-88	0	20	
2016/17-6	000NONPJ	lab duplicate	5/8/2017	Conventional	Specific Conductance	n/a	=	90.9	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-6	000NONPJ	lab duplicate	5/8/2017	Conventional	Specific Conductance	n/a	=	11400	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-6	000NONPJ	lab duplicate	5/22/2017	Conventional	Specific Conductance	n/a	=	612	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-6	000NONPJ	lab duplicate	5/24/2017	Conventional	Specific Conductance	n/a	=	808	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-6	000NONPJ	lab duplicate	5/26/2017	Conventional	Specific Conductance	n/a	=	18100	µmhos/cm	SM 2510 B	0.23	2		4.28	
2016/17-6	Lab	LCS	5/8/2017	Conventional	Specific Conductance	n/a	=	194	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS, rec	5/8/2017	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2016/17-6	Lab	method blank	5/8/2017	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS	5/8/2017	Conventional	Specific Conductance	n/a	=	25300	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS, rec	5/8/2017	Conventional	Specific Conductance	n/a	=	101	%	SM 2510 B	-88	-88	95	105	
2016/17-6	Lab	method blank	5/8/2017	Conventional	Specific Conductance	n/a	DNQ	1.05	µmhos/cm	SM 2510 B	0.23	2			IP
2016/17-6	Lab	LCS	5/22/2017	Conventional	Specific Conductance	n/a	=	207	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS, rec	5/22/2017	Conventional	Specific Conductance	n/a	=	104	%	SM 2510 B	-88	-88	95	105	
2016/17-6	Lab	method blank	5/22/2017	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS	5/24/2017	Conventional	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2016/17-6	Lab	method blank	5/24/2017	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS	5/26/2017	Conventional	Specific Conductance	n/a	=	24700	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS, rec	5/26/2017	Conventional	Specific Conductance	n/a	=	99	%	SM 2510 B	-88	-88	95	105	
2016/17-6	Lab	method blank	5/26/2017	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2016/17-6	Lab	LCS	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	0.199	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-6	Lab	LCS, rec	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	100	%	SM 4500-Cl G	-88	-88	85	110	
2016/17-6	Lab	method blank	5/18/2017	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-6	ME-CC	matrix spike	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	0.238	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-6	ME-CC	matrix spike dup	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	0.236	mg/L	SM 4500-Cl G	0.0015	0.05			
2016/17-6	ME-CC	matrix spike dup, rec	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	97	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-6	ME-CC	matrix spike, rec	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	98	%	SM 4500-Cl G	-88	-88	78	114	
2016/17-6	ME-CC	matrix spike, RPD	5/18/2017	Conventional	Total Chlorine Residual	n/a	=	0.9	%	SM 4500-Cl G	-88	-88	0	15	
2016/17-6	000NONPJ	lab duplicate	5/5/2017	Conventional	Total Dissolved Solids	n/a	=	2120	mg/L	SM 2540 C	4	10		10	
2016/17-6	000NONPJ	lab duplicate	5/9/2017	Conventional	Total Dissolved Solids	n/a	=	84	mg/L	SM 2540 C	4	10		10	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	lab duplicate	5/9/2017	Conventional	Total Dissolved Solids	n/a	=	564	mg/L	SM 2540 C	4	10		10	
2016/17-6	000NONPJ	lab duplicate	5/22/2017	Conventional	Total Dissolved Solids	n/a	=	589	mg/L	SM 2540 C	4	10		10	
2016/17-6	000NONPJ	lab duplicate	5/23/2017	Conventional	Total Dissolved Solids	n/a	=	1830	mg/L	SM 2540 C	4	10		10	
2016/17-6	000NONPJ	lab duplicate	5/23/2017	Conventional	Total Dissolved Solids	n/a	=	2890	mg/L	SM 2540 C	4	10		10	
2016/17-6	Lab	LCS	5/5/2017	Conventional	Total Dissolved Solids	n/a	=	828	mg/L	SM 2540 C	4	10			
2016/17-6	Lab	LCS, rec	5/5/2017	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2016/17-6	Lab	method blank	5/5/2017	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-6	Lab	LCS	5/9/2017	Conventional	Total Dissolved Solids	n/a	=	836	mg/L	SM 2540 C	4	10			
2016/17-6	Lab	LCS, rec	5/9/2017	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2016/17-6	Lab	method blank	5/9/2017	Conventional	Total Dissolved Solids	n/a	DNQ	4	mg/L	SM 2540 C	4	10			IP
2016/17-6	Lab	LCS	5/22/2017	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2016/17-6	Lab	LCS, rec	5/22/2017	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2016/17-6	Lab	method blank	5/22/2017	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-6	Lab	LCS	5/23/2017	Conventional	Total Dissolved Solids	n/a	=	821	mg/L	SM 2540 C	4	10			
2016/17-6	Lab	LCS, rec	5/23/2017	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2016/17-6	Lab	method blank	5/23/2017	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2016/17-6	MO-MPK	lab duplicate	5/22/2017	Conventional	Total Dissolved Solids	n/a	=	1530	mg/L	SM 2540 C	4	10		10	
2016/17-6	MO-VEN	lab duplicate	5/5/2017	Conventional	Total Dissolved Solids	n/a	=	9400	mg/L	SM 2540 C	4	10		10	
2016/17-6	000NONPJ	matrix spike	5/9/2017	Conventional	Total Organic Carbon	n/a	=	55.8	mg/L	SM 5310 C	0.09	3			
2016/17-6	000NONPJ	matrix spike dup	5/9/2017	Conventional	Total Organic Carbon	n/a	=	59.8	mg/L	SM 5310 C	0.09	3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/9/2017	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 C	-88	-88	80	116	
2016/17-6	000NONPJ	matrix spike, rec	5/9/2017	Conventional	Total Organic Carbon	n/a	=	94	%	SM 5310 C	-88	-88	80	116	
2016/17-6	000NONPJ	matrix spike, RPD	5/9/2017	Conventional	Total Organic Carbon	n/a	=	7	%	SM 5310 C	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/31/2017	Conventional	Total Organic Carbon	n/a	=	8.41	mg/L	SM 5310 C	0.009	0.3			
2016/17-6	000NONPJ	matrix spike dup	5/31/2017	Conventional	Total Organic Carbon	n/a	=	8.73	mg/L	SM 5310 C	0.009	0.3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/31/2017	Conventional	Total Organic Carbon	n/a	=	109	%	SM 5310 C	-88	-88	80	116	
2016/17-6	000NONPJ	matrix spike, rec	5/31/2017	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 C	-88	-88	80	116	
2016/17-6	000NONPJ	matrix spike, RPD	5/31/2017	Conventional	Total Organic Carbon	n/a	=	4	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	LCS	5/9/2017	Conventional	Total Organic Carbon	n/a	=	5.04	mg/L	SM 5310 C	0.009	0.3			
2016/17-6	Lab	LCS, rec	5/9/2017	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	method blank	5/9/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.0797	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-6	Lab	LCS	5/22/2017	Conventional	Total Organic Carbon	n/a	=	5.14	mg/L	SM 5310 C	0.009	0.3			
2016/17-6	Lab	LCS dup	5/22/2017	Conventional	Total Organic Carbon	n/a	=	5.16	mg/L	SM 5310 C	0.009	0.3			
2016/17-6	Lab	LCS dup, rec	5/22/2017	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, rec	5/22/2017	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	LCS, RPD	5/22/2017	Conventional	Total Organic Carbon	n/a	=	0.5	%	SM 5310 C	-88	-88	0	20	
2016/17-6	Lab	method blank	5/22/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.0845	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-6	Lab	LCS	5/31/2017	Conventional	Total Organic Carbon	n/a	=	9.95	mg/L	SM 5310 C	0.009	0.3			
2016/17-6	Lab	LCS, rec	5/31/2017	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	85	115	
2016/17-6	Lab	method blank	5/31/2017	Conventional	Total Organic Carbon	n/a	DNQ	0.0659	mg/L	SM 5310 C	0.009	0.3			IP
2016/17-6	000NONPJ	lab duplicate	5/8/2017	Conventional	Total Suspended Solids	n/a	=	1310	mg/L	SM 2540 D	-88	5		20	
2016/17-6	000NONPJ	lab duplicate	5/11/2017	Conventional	Total Suspended Solids	n/a	=	48	mg/L	SM 2540 D	-88	5		20	
2016/17-6	000NONPJ	lab duplicate	5/11/2017	Conventional	Total Suspended Solids	n/a	=	43	mg/L	SM 2540 D	-88	5		20	
2016/17-6	000NONPJ	lab duplicate	5/19/2017	Conventional	Total Suspended Solids	n/a	=	810	mg/L	SM 2540 D	-88	5		20	
2016/17-6	000NONPJ	lab duplicate	5/24/2017	Conventional	Total Suspended Solids	n/a	=	580	mg/L	SM 2540 D	-88	5		20	
2016/17-6	Lab	LCS	5/8/2017	Conventional	Total Suspended Solids	n/a	=	63	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS, rec	5/8/2017	Conventional	Total Suspended Solids	n/a	=	106	%	SM 2540 D	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/8/2017	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS	5/11/2017	Conventional	Total Suspended Solids	n/a	=	62	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS, rec	5/11/2017	Conventional	Total Suspended Solids	n/a	=	109	%	SM 2540 D	-88	-88	90	110	
2016/17-6	Lab	method blank	5/11/2017	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS	5/19/2017	Conventional	Total Suspended Solids	n/a	=	70	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS, rec	5/19/2017	Conventional	Total Suspended Solids	n/a	=	110	%	SM 2540 D	-88	-88	90	110	
2016/17-6	Lab	method blank	5/19/2017	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS	5/24/2017	Conventional	Total Suspended Solids	n/a	=	57	mg/L	SM 2540 D	-88	5			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	Total Suspended Solids	n/a	=	102	%	SM 2540 D	-88	-88	90	110	
2016/17-6	Lab	method blank	5/24/2017	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2016/17-6	000NONPJ	lab duplicate	5/19/2017	Conventional	Turbidity	n/a	=	5.71	NTU	EPA 180.1	0.024	0.1		10	
2016/17-6	000NONPJ	lab duplicate	5/24/2017	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1		10	
2016/17-6	Lab	LCS	5/5/2017	Conventional	Turbidity	n/a	=	7.53	NTU	EPA 180.1	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Conventional	Turbidity	n/a	=	102	%	EPA 180.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/5/2017	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-6	Lab	LCS	5/19/2017	Conventional	Turbidity	n/a	=	6.92	NTU	EPA 180.1	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Conventional	Turbidity	n/a	=	94	%	EPA 180.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/19/2017	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-6	Lab	LCS	5/24/2017	Conventional	Turbidity	n/a	=	7.21	NTU	EPA 180.1	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Conventional	Turbidity	n/a	=	98	%	EPA 180.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/24/2017	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2016/17-6	ME-SCR	lab duplicate	5/5/2017	Conventional	Turbidity	n/a	=	0.94	NTU	EPA 180.1	0.024	0.1		10	
2016/17-6	000NONPJ	lab duplicate	5/8/2017	Conventional	Volatile Suspended Solids	n/a	=	480	mg/L	EPA 160.4	3.1	5		15	
2016/17-6	000NONPJ	lab duplicate	5/11/2017	Conventional	Volatile Suspended Solids	n/a	=	35	mg/L	EPA 160.4	3.1	5		15	
2016/17-6	000NONPJ	lab duplicate	5/19/2017	Conventional	Volatile Suspended Solids	n/a	=	360	mg/L	EPA 160.4	3.1	5		15	
2016/17-6	000NONPJ	lab duplicate	5/24/2017	Conventional	Volatile Suspended Solids	n/a	=	320	mg/L	EPA 160.4	3.1	5		15	
2016/17-6	Lab	method blank	5/8/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-6	Lab	method blank	5/11/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-6	Lab	method blank	5/19/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-6	Lab	method blank	5/24/2017	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2016/17-6	Lab	method blank	5/11/2017	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS	5/11/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.385	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/11/2017	Hydrocarbon	Diesel Range Organics	n/a	=	77	%	EPA 8015D	-88	-88	56	136	
2016/17-6	Lab	LCS dup	5/11/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.417	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/11/2017	Hydrocarbon	Diesel Range Organics	n/a	=	83	%	EPA 8015D	-88	-88	56	136	
2016/17-6	Lab	LCS, RPD	5/11/2017	Hydrocarbon	Diesel Range Organics	n/a	=	8	%	EPA 8015D	-88	-88	0	25	
2016/17-6	Lab	method blank	5/24/2017	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS	5/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.423	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	85	%	EPA 8015D	-88	-88	56	136	
2016/17-6	Lab	LCS dup	5/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.444	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	89	%	EPA 8015D	-88	-88	56	136	
2016/17-6	Lab	LCS, RPD	5/24/2017	Hydrocarbon	Diesel Range Organics	n/a	=	5	%	EPA 8015D	-88	-88	0	25	
2016/17-6	Lab	method blank	5/31/2017	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS	5/31/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.283	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/31/2017	Hydrocarbon	Diesel Range Organics	n/a	=	57	%	EPA 8015D	-88	-88	56	136	
2016/17-6	Lab	LCS dup	5/31/2017	Hydrocarbon	Diesel Range Organics	n/a	=	0.347	mg/L	EPA 8015D	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Hydrocarbon	Diesel Range Organics	n/a	=	69	%	EPA 8015D	-88	-88	56	136	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	5/31/2017	Hydrocarbon	Diesel Range Organics	n/a	=	21	%	EPA 8015D	-88	-88	0	25	
2016/17-6	Lab	LCS	5/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.02	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS, rec	5/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	102	%	EPA 8015D	-88	-88	75	123	
2016/17-6	Lab	LCS dup	5/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	0.974	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS dup, rec	5/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	97	%	EPA 8015D	-88	-88	75	123	
2016/17-6	Lab	LCS, RPD	5/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	4	%	EPA 8015D	-88	-88	0	25	
2016/17-6	Lab	method blank	5/9/2017	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS	5/19/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.09	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	109	%	EPA 8015D	-88	-88	75	123	
2016/17-6	Lab	LCS dup	5/19/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS dup, rec	5/19/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	EPA 8015D	-88	-88	75	123	
2016/17-6	Lab	LCS, RPD	5/19/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	4	%	EPA 8015D	-88	-88	0	25	
2016/17-6	Lab	method blank	5/19/2017	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS	5/26/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.15	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS, rec	5/26/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	115	%	EPA 8015D	-88	-88	75	123	
2016/17-6	Lab	LCS dup	5/26/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	1.08	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	108	%	EPA 8015D	-88	-88	75	123	
2016/17-6	Lab	LCS, RPD	5/26/2017	Hydrocarbon	Gasoline Range Organics	n/a	=	7	%	EPA 8015D	-88	-88	0	25	
2016/17-6	Lab	method blank	5/26/2017	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2016/17-6	Lab	srgt method blank	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.271	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	109	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt LCS	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.271	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt LCS dup	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.27	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt method blank	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.183	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	73	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt LCS	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.188	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	75	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.19	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	76	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt method blank	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.18	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	72	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt LCS	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.166	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	66	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	srgt LCS dup	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.167	mg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	67	%	EPA 8015D	-88	-88	64	155	
2016/17-6	ME-CC	srgt environ	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.173	mg/L	EPA 8015D	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	69	%	EPA 8015D	-88	-88	64	155	
2016/17-6	ME-SCR	srgt environ	5/12/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015D	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/12/2017	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2016/17-6	ME-VR2	srgt environ	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.175	mg/L	EPA 8015D	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	70	%	EPA 8015D	-88	-88	64	155	
2016/17-6	MO-CAM	srgt environ	5/25/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.174	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/25/2017	Hydrocarbon	n-Tetracosane	n/a	=	70	%	EPA 8015D	-88	-88	64	155	
2016/17-6	MO-FIL	srgt environ	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-HUE	srgt environ	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.173	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	69	%	EPA 8015D	-88	-88	64	155	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.172	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	69	%	EPA 8015D	-88	-88	64	155	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.099	mg/L	EPA 8015D	-88	-88			GN
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Hydrocarbon	n-Tetracosane	n/a	=	40	%	EPA 8015D	-88	-88	64	155	GN
2016/17-6	MO-SIM	srgt environ	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.199	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Hydrocarbon	n-Tetracosane	n/a	=	80	%	EPA 8015D	-88	-88	64	155	
2016/17-6	MO-THO	srgt environ	5/25/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.2	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/25/2017	Hydrocarbon	n-Tetracosane	n/a	=	80	%	EPA 8015D	-88	-88	64	155	
2016/17-6	MO-VEN	srgt environ	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	0.193	mg/L	EPA 8015D	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/11/2017	Hydrocarbon	n-Tetracosane	n/a	=	77	%	EPA 8015D	-88	-88	64	155	
2016/17-6	Lab	LCS	5/12/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.7	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS dup	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	19.6	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS dup, rec	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, rec	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, rec	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, RPD	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	0.5	%	EPA 1664A	-88	-88	0	18	
2016/17-6	Lab	method blank	5/12/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	19.2	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS	5/22/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.6	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS dup	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	19.4	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS dup, rec	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	97	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, rec	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, rec	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, RPD	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2016/17-6	Lab	method blank	5/22/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	19	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS	5/26/2017	Hydrocarbon	Oil and Grease	n/a	DNQ	4.5	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS dup	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	18.8	mg/L	EPA 1664A	1.3	5			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, rec	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, rec	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	95	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	LCS, RPD	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2016/17-6	Lab	method blank	5/26/2017	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2016/17-6	ME-CC	matrix spike	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	21.4	mg/L	EPA 1664A	1.3	5			
2016/17-6	ME-CC	matrix spike, rec	5/22/2017	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2016/17-6	ME-SCR	matrix spike	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	24.1	mg/L	EPA 1664A	1.3	5			
2016/17-6	ME-SCR	matrix spike, rec	5/12/2017	Hydrocarbon	Oil and Grease	n/a	=	99	%	EPA 1664A	-88	-88	78	114	
2016/17-6	ME-VR2	matrix spike	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	19	mg/L	EPA 1664A	1.3	5			
2016/17-6	ME-VR2	matrix spike, rec	5/26/2017	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2016/17-6	Lab	method blank	5/11/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-6	Lab	method blank	5/24/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-6	Lab	method blank	5/31/2017	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2016/17-6	Lab	method blank	5/11/2017	Metal	Aluminum	Dissolved	DNQ	1.88	µg/L	EPA 200.8	1.3	5			IP
2016/17-6	Lab	LCS	5/11/2017	Metal	Aluminum	Dissolved	=	47	µg/L	EPA 200.8	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Aluminum	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-6	Lab	method blank	6/2/2017	Metal	Aluminum	Dissolved	DNQ	1.63	µg/L	EPA 200.8	1.3	5			IP
2016/17-6	Lab	LCS	6/2/2017	Metal	Aluminum	Dissolved	=	44.2	µg/L	EPA 200.8	1.3	5			
2016/17-6	Lab	LCS, rec	6/2/2017	Metal	Aluminum	Dissolved	=	88	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/15/2017	Metal	Aluminum	Dissolved	DNQ	1.55	µg/L	EPA 200.8	1.3	5			IP
2016/17-6	Lab	LCS	6/15/2017	Metal	Aluminum	Dissolved	=	50.1	µg/L	EPA 200.8	1.3	5			
2016/17-6	Lab	LCS, rec	6/15/2017	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Aluminum	Total	DNQ	1.55	µg/L	EPA 200.8	1.3	5			IP
2016/17-6	Lab	LCS	5/11/2017	Metal	Aluminum	Total	=	47	µg/L	EPA 200.8	1.3	5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Aluminum	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/2/2017	Metal	Aluminum	Total	DNQ	1.58	µg/L	EPA 200.8	1.3	5			IP
2016/17-6	Lab	LCS	6/2/2017	Metal	Aluminum	Total	=	44.2	µg/L	EPA 200.8	1.3	5			
2016/17-6	Lab	LCS, rec	6/2/2017	Metal	Aluminum	Total	=	88	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/15/2017	Metal	Aluminum	Total	DNQ	1.64	µg/L	EPA 200.8	1.3	5			IP
2016/17-6	Lab	LCS	6/15/2017	Metal	Aluminum	Total	=	50.1	µg/L	EPA 200.8	1.3	5			
2016/17-6	Lab	LCS, rec	6/15/2017	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Aluminum	Total	=	59.2	µg/L	EPA 200.8	1.3	5			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Aluminum	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Aluminum	Total	=	57.8	µg/L	EPA 200.8	1.3	5			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Aluminum	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-HUE	matrix spike	6/15/2017	Metal	Aluminum	Total	=	126	µg/L	EPA 200.8	1.3	5			
2016/17-6	MO-HUE	matrix spike, rec	6/15/2017	Metal	Aluminum	Total	=	73	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-HUE	matrix spike dup	6/15/2017	Metal	Aluminum	Total	=	128	µg/L	EPA 200.8	1.3	5			
2016/17-6	MO-HUE	matrix spike dup, rec	6/15/2017	Metal	Aluminum	Total	=	79	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-HUE	matrix spike, RPD	6/15/2017	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-MPK	matrix spike	6/2/2017	Metal	Aluminum	Total	=	79.9	µg/L	EPA 200.8	1.3	5			
2016/17-6	MO-MPK	matrix spike, rec	6/2/2017	Metal	Aluminum	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-MPK	matrix spike dup	6/2/2017	Metal	Aluminum	Total	=	78.8	µg/L	EPA 200.8	1.3	5			
2016/17-6	MO-MPK	matrix spike dup, rec	6/2/2017	Metal	Aluminum	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-MPK	matrix spike, RPD	6/2/2017	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS	5/11/2017	Metal	Antimony	Dissolved	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Antimony	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	method blank	5/26/2017	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Antimony	Dissolved	=	52	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Antimony	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Antimony	Dissolved	=	49.1	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Antimony	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Antimony	Dissolved	=	50.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Antimony	Dissolved	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Antimony	Dissolved	=	49.2	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Antimony	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Antimony	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Antimony	Dissolved	=	50.4	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Antimony	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Antimony	Dissolved	=	50.4	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Antimony	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Antimony	Dissolved	=	0.08	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS	5/11/2017	Metal	Antimony	Total	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Antimony	Total	=	52	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Antimony	Total	=	49.1	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Antimony	Total	=	45.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Antimony	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Antimony	Total	=	48.8	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Antimony	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Antimony	Total	=	50.6	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Antimony	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Antimony	Total	=	49.2	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Antimony	Total	=	50.4	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Antimony	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Antimony	Total	=	50.4	µg/L	EPA 200.8	0.045	0.5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Antimony	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Antimony	Total	=	0.08	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS	5/11/2017	Metal	Arsenic	Dissolved	=	45.4	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Arsenic	Dissolved	=	91	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	method blank	5/26/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS	5/26/2017	Metal	Arsenic	Dissolved	=	51.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Arsenic	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS	6/7/2017	Metal	Arsenic	Dissolved	=	51.1	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Arsenic	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Arsenic	Dissolved	=	53.5	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Arsenic	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Arsenic	Dissolved	=	49.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Arsenic	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Arsenic	Dissolved	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Arsenic	Dissolved	=	52.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Arsenic	Dissolved	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Arsenic	Dissolved	=	52.1	µg/L	EPA 200.8	0.074	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Arsenic	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Arsenic	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS	5/11/2017	Metal	Arsenic	Total	=	45.4	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Arsenic	Total	=	91	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS	5/26/2017	Metal	Arsenic	Total	=	51.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS	6/7/2017	Metal	Arsenic	Total	=	51.1	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Arsenic	Total	=	47.3	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Arsenic	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Arsenic	Total	=	48.1	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Arsenic	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Arsenic	Total	=	53.5	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Arsenic	Total	=	49.6	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Arsenic	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Arsenic	Total	=	52.7	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Arsenic	Total	=	52.1	µg/L	EPA 200.8	0.074	0.4			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	Lab	LCS	5/11/2017	Metal	Barium	Total	=	48	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Barium	Total	=	50	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Barium	Total	=	49.2	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Barium	Total	=	73.6	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Barium	Total	=	84	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Barium	Total	=	77.7	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Barium	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Barium	Total	=	143	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Barium	Total	=	111	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Barium	Total	=	136	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Barium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Barium	Total	=	64.9	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Barium	Total	=	65.5	µg/L	EPA 200.8	0.071	0.5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/15/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	method blank	5/15/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS	5/15/2017	Metal	Beryllium	Dissolved	=	45.8	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS, rec	5/15/2017	Metal	Beryllium	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS	5/26/2017	Metal	Beryllium	Dissolved	=	51	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Beryllium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS	6/7/2017	Metal	Beryllium	Dissolved	=	49.7	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Beryllium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Beryllium	Dissolved	=	53.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Beryllium	Dissolved	=	107	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Beryllium	Dissolved	=	50.6	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Beryllium	Dissolved	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Beryllium	Dissolved	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Beryllium	Dissolved	=	52.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Beryllium	Dissolved	=	105	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Beryllium	Dissolved	=	52.1	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Beryllium	Dissolved	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Beryllium	Dissolved	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/15/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS	5/15/2017	Metal	Beryllium	Total	=	45.8	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS, rec	5/15/2017	Metal	Beryllium	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS	5/26/2017	Metal	Beryllium	Total	=	51	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS	6/7/2017	Metal	Beryllium	Total	=	49.7	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/15/2017	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-FIL	matrix spike, rec	5/15/2017	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/15/2017	Metal	Beryllium	Total	=	49.2	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-FIL	matrix spike dup, rec	5/15/2017	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/15/2017	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Beryllium	Total	=	53.5	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Beryllium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Beryllium	Total	=	50.6	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Beryllium	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Beryllium	Total	=	52.4	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Beryllium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Beryllium	Total	=	52.1	µg/L	EPA 200.8	0.033	0.1			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Beryllium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Beryllium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/11/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS	5/11/2017	Metal	Cadmium	Dissolved	=	45.5	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Cadmium	Dissolved	=	91	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	method blank	5/26/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS	5/26/2017	Metal	Cadmium	Dissolved	=	50.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Cadmium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS	6/7/2017	Metal	Cadmium	Dissolved	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Cadmium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Cadmium	Dissolved	=	48.5	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Cadmium	Dissolved	=	46	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Cadmium	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Cadmium	Dissolved	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Cadmium	Dissolved	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Cadmium	Dissolved	=	47.8	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Cadmium	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Cadmium	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS	5/11/2017	Metal	Cadmium	Total	=	45.5	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Cadmium	Total	=	91	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS	5/26/2017	Metal	Cadmium	Total	=	50.6	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS	6/7/2017	Metal	Cadmium	Total	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Cadmium	Total	=	44.1	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Cadmium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Cadmium	Total	=	44.9	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Cadmium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Cadmium	Total	=	48.5	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Cadmium	Total	=	46	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Cadmium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Cadmium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Cadmium	Total	=	47.8	µg/L	EPA 200.8	0.041	0.1			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Chromium	Dissolved	=	44.2	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Chromium	Dissolved	=	88	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/11/2017	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	method blank	5/26/2017	Metal	Chromium	Dissolved	DNQ	0.0366	µg/L	EPA 200.8	0.035	0.2			IP
2016/17-6	Lab	LCS	5/26/2017	Metal	Chromium	Dissolved	=	49.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS	6/7/2017	Metal	Chromium	Dissolved	=	50	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Chromium	Dissolved	=	52.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Chromium	Dissolved	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Chromium	Dissolved	=	49	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Chromium	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Chromium	Dissolved	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Chromium	Dissolved	=	50.6	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Chromium	Dissolved	=	50.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Chromium	Dissolved	=	0.4	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Chromium	Total	=	44.2	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Chromium	Total	=	88	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Chromium	Total	=	49.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS	6/7/2017	Metal	Chromium	Total	=	50	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Chromium	Total	=	45.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Chromium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Chromium	Total	=	46.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Chromium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Chromium	Total	=	52.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Chromium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Chromium	Total	=	49	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Chromium	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Chromium	Total	=	50.6	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Chromium	Total	=	50.4	µg/L	EPA 200.8	0.035	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Chromium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/8/2017	Metal	Chromium VI	n/a	=	5.35	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike	5/8/2017	Metal	Chromium VI	n/a	=	5.34	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	5/8/2017	Metal	Chromium VI	n/a	=	5.4	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	5/8/2017	Metal	Chromium VI	n/a	=	5.43	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/8/2017	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike dup, rec	5/8/2017	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, rec	5/8/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, rec	5/8/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, RPD	5/8/2017	Metal	Chromium VI	n/a	=	0.9	%	EPA 218.6	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike, RPD	5/8/2017	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike	5/11/2017	Metal	Chromium VI	n/a	=	4.84	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike	5/11/2017	Metal	Chromium VI	n/a	=	7.58	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	5/11/2017	Metal	Chromium VI	n/a	=	7.6	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	5/11/2017	Metal	Chromium VI	n/a	=	5.09	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/11/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike dup, rec	5/11/2017	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, rec	5/11/2017	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, rec	5/11/2017	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, RPD	5/11/2017	Metal	Chromium VI	n/a	=	0.2	%	EPA 218.6	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike, RPD	5/11/2017	Metal	Chromium VI	n/a	=	5	%	EPA 218.6	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike	5/31/2017	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike	5/31/2017	Metal	Chromium VI	n/a	=	8.21	µg/L	EPA 218.6	0.0048	0.02			GB
2016/17-6	000NONPJ	matrix spike dup	5/31/2017	Metal	Chromium VI	n/a	=	5.65	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	5/31/2017	Metal	Chromium VI	n/a	=	5.16	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/31/2017	Metal	Chromium VI	n/a	=	108	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike dup, rec	5/31/2017	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, rec	5/31/2017	Metal	Chromium VI	n/a	=	159	%	EPA 218.6	-88	-88	88	112	GB
2016/17-6	000NONPJ	matrix spike, rec	5/31/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, RPD	5/31/2017	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike, RPD	5/31/2017	Metal	Chromium VI	n/a	=	37	%	EPA 218.6	-88	-88	0	10	IL
2016/17-6	000NONPJ	matrix spike	6/5/2017	Metal	Chromium VI	n/a	=	5.35	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike	6/5/2017	Metal	Chromium VI	n/a	=	6.59	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Metal	Chromium VI	n/a	=	6.71	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup	6/5/2017	Metal	Chromium VI	n/a	=	5.3	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike dup, rec	6/5/2017	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, rec	6/5/2017	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike, RPD	6/5/2017	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2016/17-6	Lab	LCS	5/8/2017	Metal	Chromium VI	n/a	=	5.01	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	LCS, rec	5/8/2017	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2016/17-6	Lab	LCS	5/11/2017	Metal	Chromium VI	n/a	=	5.03	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	90	110	
2016/17-6	Lab	method blank	5/11/2017	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	method blank	5/19/2017	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	LCS	5/31/2017	Metal	Chromium VI	n/a	=	5.24	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	LCS, rec	5/31/2017	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	90	110	
2016/17-6	Lab	method blank	5/31/2017	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	LCS	6/5/2017	Metal	Chromium VI	n/a	=	5.12	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	LCS, rec	6/5/2017	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	90	110	
2016/17-6	Lab	method blank	6/5/2017	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2016/17-6	Lab	method blank	5/11/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/11/2017	Metal	Copper	Dissolved	=	46.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Copper	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	method blank	5/26/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Copper	Dissolved	=	51.4	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Copper	Dissolved	=	51.3	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Copper	Dissolved	=	53.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Copper spike	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Copper	Dissolved	=	50.3	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Copper	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Copper	Dissolved	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Copper	Dissolved	=	47.5	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Copper	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Copper	Dissolved	=	47.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Copper	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Copper	Dissolved	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS	5/11/2017	Metal	Copper	Total	=	46.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Copper	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Copper	Total	=	51.4	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Copper	Total	=	51.3	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Copper	Total	=	47.7	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Copper	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Copper	Total	=	48.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Copper	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Copper	Total	=	53.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Copper	Total	=	50.3	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Copper	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Copper	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Copper	Total	=	47.5	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Copper	Total	=	47.2	µg/L	EPA 200.8	0.13	0.5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Copper	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/14/2017	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS	5/14/2017	Metal	Iron	Dissolved	=	207	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS, rec	5/14/2017	Metal	Iron	Dissolved	=	103	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/8/2017	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/8/2017	Metal	Iron	Dissolved	=	203	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS, rec	6/8/2017	Metal	Iron	Dissolved	=	101	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/9/2017	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS	6/9/2017	Metal	Iron	Dissolved	=	215	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS, rec	6/9/2017	Metal	Iron	Dissolved	=	107	%	EPA 200.7	-88	-88	85	115	
2016/17-6	ME-SCR	matrix spike	5/14/2017	Metal	Iron	Dissolved	=	283	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-SCR	matrix spike, rec	5/14/2017	Metal	Iron	Dissolved	=	130	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike dup	5/14/2017	Metal	Iron	Dissolved	=	273	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-SCR	matrix spike dup, rec	5/14/2017	Metal	Iron	Dissolved	=	125	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike, RPD	5/14/2017	Metal	Iron	Dissolved	=	4	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/8/2017	Metal	Iron	Dissolved	=	247	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-VR2	matrix spike, rec	6/8/2017	Metal	Iron	Dissolved	=	119	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike dup	6/8/2017	Metal	Iron	Dissolved	=	234	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-VR2	matrix spike dup, rec	6/8/2017	Metal	Iron	Dissolved	=	112	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/8/2017	Metal	Iron	Dissolved	=	5	%	EPA 200.7	-88	-88	0	30	
2016/17-6	Lab	method blank	5/19/2017	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS	5/19/2017	Metal	Iron	Total	=	208	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS, rec	5/19/2017	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/8/2017	Metal	Iron	Total	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2016/17-6	Lab	LCS	6/8/2017	Metal	Iron	Total	=	203	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS, rec	6/8/2017	Metal	Iron	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2016/17-6	Lab	method blank	6/9/2017	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS	6/9/2017	Metal	Iron	Total	=	215	µg/L	EPA 200.7	1.1	10			
2016/17-6	Lab	LCS, rec	6/9/2017	Metal	Iron	Total	=	107	%	EPA 200.7	-88	-88	85	115	
2016/17-6	ME-CC	matrix spike	6/9/2017	Metal	Iron	Total	=	388	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-CC	matrix spike, rec	6/9/2017	Metal	Iron	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike dup	6/9/2017	Metal	Iron	Total	=	384	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-CC	matrix spike dup, rec	6/9/2017	Metal	Iron	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-CC	matrix spike, RPD	6/9/2017	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-SCR	matrix spike	5/19/2017	Metal	Iron	Total	=	262	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-SCR	matrix spike, rec	5/19/2017	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike dup	5/19/2017	Metal	Iron	Total	=	259	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-SCR	matrix spike dup, rec	5/19/2017	Metal	Iron	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-SCR	matrix spike, RPD	5/19/2017	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2016/17-6	ME-VR2	matrix spike	6/8/2017	Metal	Iron	Total	=	247	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-VR2	matrix spike, rec	6/8/2017	Metal	Iron	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike dup	6/8/2017	Metal	Iron	Total	=	234	µg/L	EPA 200.7	1.1	10			
2016/17-6	ME-VR2	matrix spike dup, rec	6/8/2017	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2016/17-6	ME-VR2	matrix spike, RPD	6/8/2017	Metal	Iron	Total	=	5	%	EPA 200.7	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Lead	Dissolved	DNQ	0.195	µg/L	EPA 200.8	0.031	0.2			IP
2016/17-6	Lab	LCS	5/11/2017	Metal	Lead	Dissolved	=	47.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Lead	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	method blank	5/26/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Lead	Dissolved	=	49.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/15/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/15/2017	Metal	Lead	Dissolved	=	47.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS, rec	6/15/2017	Metal	Lead	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Lead	Dissolved	=	47	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Lead	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Lead	Dissolved	=	47.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Lead	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Lead	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Lead	Total	=	47.2	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Lead	Total	=	49.3	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/15/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS	6/15/2017	Metal	Lead	Total	=	47.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	Lab	LCS, rec	6/15/2017	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Lead	Total	=	42.8	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Lead	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Lead	Total	=	46.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Lead	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Lead	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-HUE	matrix spike	6/15/2017	Metal	Lead	Total	=	45.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-HUE	matrix spike, rec	6/15/2017	Metal	Lead	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-HUE	matrix spike dup	6/15/2017	Metal	Lead	Total	=	44.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-HUE	matrix spike dup, rec	6/15/2017	Metal	Lead	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-HUE	matrix spike, RPD	6/15/2017	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Lead	Total	=	47	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Lead	Total	=	47.7	µg/L	EPA 200.8	0.031	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Metal	Mercury	Dissolved	=	841	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Metal	Mercury	Dissolved	=	84	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Metal	Mercury	Dissolved	=	829	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Metal	Mercury	Dissolved	=	83	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Metal	Mercury	Dissolved	=	1	%	EPA 245.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Metal	Mercury	Dissolved	=	877	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Metal	Mercury	Dissolved	=	88	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Metal	Mercury	Dissolved	=	884	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Metal	Mercury	Dissolved	=	88	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Metal	Mercury	Dissolved	=	0.8	%	EPA 245.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	6/2/2017	Metal	Mercury	Dissolved	=	1200	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	6/2/2017	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	6/2/2017	Metal	Mercury	Dissolved	=	1200	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	6/2/2017	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	6/2/2017	Metal	Mercury	Dissolved	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-6	Lab	method blank	5/10/2017	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/10/2017	Metal	Mercury	Dissolved	=	966	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS, rec	5/10/2017	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	85	115	
2016/17-6	Lab	method blank	5/24/2017	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS	5/24/2017	Metal	Mercury	Dissolved	=	908	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS, rec	5/24/2017	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	85	115	
2016/17-6	Lab	method blank	6/2/2017	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS	6/2/2017	Metal	Mercury	Dissolved	=	985	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS, rec	6/2/2017	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	85	115	
2016/17-6	000NONPJ	matrix spike	5/10/2017	Metal	Mercury	Total	=	954	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Metal	Mercury	Total	=	918	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Metal	Mercury	Total	=	92	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Metal	Mercury	Total	=	4	%	EPA 245.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/10/2017	Metal	Mercury	Total	=	882	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Metal	Mercury	Total	=	88	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Metal	Mercury	Total	=	905	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Metal	Mercury	Total	=	90	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Metal	Mercury	Total	=	841	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Metal	Mercury	Total	=	84	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Metal	Mercury	Total	=	829	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Metal	Mercury	Total	=	83	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Metal	Mercury	Total	=	877	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Metal	Mercury	Total	=	88	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Metal	Mercury	Total	=	884	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Metal	Mercury	Total	=	88	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Metal	Mercury	Total	=	0.8	%	EPA 245.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	6/2/2017	Metal	Mercury	Total	=	1200	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike, rec	6/2/2017	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	6/2/2017	Metal	Mercury	Total	=	1200	ng/L	EPA 245.1	17	50			
2016/17-6	000NONPJ	matrix spike dup, rec	6/2/2017	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	6/2/2017	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2016/17-6	Lab	method blank	5/10/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS	5/10/2017	Metal	Mercury	Total	=	966	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS, rec	5/10/2017	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	85	115	
2016/17-6	Lab	method blank	5/24/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS	5/24/2017	Metal	Mercury	Total	=	908	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS, rec	5/24/2017	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	85	115	
2016/17-6	Lab	method blank	6/2/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS	6/2/2017	Metal	Mercury	Total	=	985	ng/L	EPA 245.1	17	50			
2016/17-6	Lab	LCS, rec	6/2/2017	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS	5/11/2017	Metal	Nickel	Dissolved	=	45.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Nickel	Dissolved	=	90	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	method blank	5/26/2017	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/26/2017	Metal	Nickel	Dissolved	=	51.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Nickel	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/15/2017	Metal	Nickel	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.045	0.8			IP
2016/17-6	Lab	LCS	6/15/2017	Metal	Nickel	Dissolved	=	52	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS, rec	6/15/2017	Metal	Nickel	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Nickel	Dissolved	=	47.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Nickel	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Nickel	Dissolved	=	47.4	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Nickel	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Nickel	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS	5/11/2017	Metal	Nickel	Total	=	45.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Nickel	Total	=	90	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS	5/26/2017	Metal	Nickel	Total	=	51.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/15/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS	6/15/2017	Metal	Nickel	Total	=	52	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	Lab	LCS, rec	6/15/2017	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Nickel	Total	=	44.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Nickel	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Nickel	Total	=	45.2	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Nickel	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-HUE	matrix spike	6/15/2017	Metal	Nickel	Total	=	46.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-HUE	matrix spike, rec	6/15/2017	Metal	Nickel	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-HUE	matrix spike dup	6/15/2017	Metal	Nickel	Total	=	46.7	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-HUE	matrix spike dup, rec	6/15/2017	Metal	Nickel	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-HUE	matrix spike, RPD	6/15/2017	Metal	Nickel	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Nickel	Total	=	47.9	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Nickel	Total	=	47.4	µg/L	EPA 200.8	0.045	0.8			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Nickel	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/15/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	method blank	5/15/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS	5/15/2017	Metal	Selenium	Dissolved	=	47.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/15/2017	Metal	Selenium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS	5/26/2017	Metal	Selenium	Dissolved	=	52.2	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Selenium	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS	6/7/2017	Metal	Selenium	Dissolved	=	52.3	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Selenium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Selenium	Dissolved	=	54.7	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Selenium	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Selenium	Dissolved	=	50.4	µg/L	EPA 200.8	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Selenium	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Selenium	Dissolved	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Selenium	Dissolved	=	83.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Selenium	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Selenium	Dissolved	=	83.3	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Selenium	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Selenium	Dissolved	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/15/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS	5/15/2017	Metal	Selenium	Total	=	47.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/15/2017	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS	5/26/2017	Metal	Selenium	Total	=	52.2	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Selenium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS	6/7/2017	Metal	Selenium	Total	=	52.3	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/15/2017	Metal	Selenium	Total	=	54.1	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-FIL	matrix spike, rec	5/15/2017	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/15/2017	Metal	Selenium	Total	=	54.6	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-FIL	matrix spike dup, rec	5/15/2017	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/15/2017	Metal	Selenium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Selenium	Total	=	54.7	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Selenium	Total	=	50.4	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Selenium	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Selenium	Total	=	83.5	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Selenium	Total	=	83.3	µg/L	EPA 200.8	0.14	0.4			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Selenium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Silver	Dissolved	=	48.2	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Silver	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	method blank	5/26/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Silver	Dissolved	=	52	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Silver	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS	6/7/2017	Metal	Silver	Dissolved	=	50	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Silver	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Silver	Dissolved	=	50.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Silver	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Silver	Dissolved	=	46.8	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Silver	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Silver	Dissolved	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Silver	Dissolved	=	45.7	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Silver	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Silver	Dissolved	=	46.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Silver	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Silver	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Silver	Total	=	48.2	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Silver	Total	=	52	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Silver	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS	6/7/2017	Metal	Silver	Total	=	50	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Silver	Total	=	40.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Silver	Total	=	80	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Silver	Total	=	43.8	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Silver	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Silver	Total	=	9	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Silver	Total	=	50.1	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Silver	Total	=	46.8	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Silver	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Silver	Total	=	45.7	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Silver	Total	=	46.3	µg/L	EPA 200.8	0.062	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Thallium	Dissolved	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	method blank	5/26/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Thallium	Dissolved	=	51	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Thallium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS	6/7/2017	Metal	Thallium	Dissolved	=	50.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Thallium	Dissolved	=	51.7	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Thallium	Dissolved	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Thallium	Dissolved	=	49.9	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Thallium	Dissolved	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Thallium	Dissolved	=	49.1	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Thallium	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Thallium	Dissolved	=	49.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Thallium	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS	5/11/2017	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS	5/26/2017	Metal	Thallium	Total	=	51	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS	6/7/2017	Metal	Thallium	Total	=	50.5	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Thallium	Total	=	45	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Thallium	Total	=	48.7	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Thallium	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Thallium	Total	=	51.7	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Thallium	Total	=	49.9	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Thallium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Thallium	Total	=	49.1	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Thallium	Total	=	49.6	µg/L	EPA 200.8	0.014	0.2			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS	5/11/2017	Metal	Zinc	Dissolved	=	47.8	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/11/2017	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	method blank	5/26/2017	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Zinc	Dissolved	=	51.5	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Zinc	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Zinc	Dissolved	=	52.5	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Zinc	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Zinc	Dissolved	=	56.4	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Zinc	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Zinc	Dissolved	=	52.8	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Zinc	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Zinc	Dissolved	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Zinc	Dissolved	=	47.6	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Zinc	Dissolved	=	87	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Zinc	Dissolved	=	47.4	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Zinc	Dissolved	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Zinc	Dissolved	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	Lab	method blank	5/11/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS	5/11/2017	Metal	Zinc	Total	=	47.8	µg/L	EPA 200.8	0.94	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/11/2017	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	5/26/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS	5/26/2017	Metal	Zinc	Total	=	51.5	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2016/17-6	Lab	method blank	6/7/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS	6/7/2017	Metal	Zinc	Total	=	52.5	µg/L	EPA 200.8	0.94	5			
2016/17-6	Lab	LCS, rec	6/7/2017	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2016/17-6	MO-FIL	matrix spike	5/11/2017	Metal	Zinc	Total	=	47.9	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-FIL	matrix spike, rec	5/11/2017	Metal	Zinc	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike dup	5/11/2017	Metal	Zinc	Total	=	48.8	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-FIL	matrix spike dup, rec	5/11/2017	Metal	Zinc	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-FIL	matrix spike, RPD	5/11/2017	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-OJA	matrix spike	6/7/2017	Metal	Zinc	Total	=	56.4	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-OJA	matrix spike, rec	6/7/2017	Metal	Zinc	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike dup	6/7/2017	Metal	Zinc	Total	=	52.8	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-OJA	matrix spike dup, rec	6/7/2017	Metal	Zinc	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-OJA	matrix spike, RPD	6/7/2017	Metal	Zinc	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Metal	Zinc	Total	=	47.6	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Metal	Zinc	Total	=	47.4	µg/L	EPA 200.8	0.94	5			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Metal	Zinc	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Metal	Zinc	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2016/17-6	000NONPJ	lab duplicate	5/5/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1		15	
2016/17-6	000NONPJ	matrix spike	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.241	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.239	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/5/2017	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup, rec	5/5/2017	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/5/2017	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/5/2017	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/5/2017	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike, RPD	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2016/17-6	000NONPJ	lab duplicate	5/12/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1		15	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike	5/12/2017	Nutrient	Ammonia as N	n/a	=	0.276	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Nutrient	Ammonia as N	n/a	=	0.254	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Nutrient	Ammonia as N	n/a	=	0.271	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Nutrient	Ammonia as N	n/a	=	110	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.249	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.048	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/31/2017	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup, rec	5/31/2017	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/31/2017	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/31/2017	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2016/17-6	000NONPJ	matrix spike, RPD	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.9	%	EPA 350.1	-88	-88	0	15	
2016/17-6	Lab	LCS	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS	5/5/2017	Nutrient	Ammonia as N	n/a	=	0.236	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Nutrient	Ammonia as N	n/a	=	94	%	EPA 350.1	-88	-88	90	110	
2016/17-6	Lab	LCS, rec	5/5/2017	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/5/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	method blank	5/5/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS	5/12/2017	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS	5/12/2017	Nutrient	Ammonia as N	n/a	=	0.266	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS, rec	5/12/2017	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2016/17-6	Lab	LCS, rec	5/12/2017	Nutrient	Ammonia as N	n/a	=	107	%	EPA 350.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/12/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	method blank	5/12/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS	5/31/2017	Nutrient	Ammonia as N	n/a	=	0.239	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	LCS, rec	5/31/2017	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2016/17-6	Lab	LCS, rec	5/31/2017	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/31/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	Lab	method blank	5/31/2017	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2016/17-6	000NONPJ	matrix spike	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3.95	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	107	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3.94	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.62	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.61	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3.5	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3.47	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.8	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.98	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.5	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3.81	mg/L	EPA 353.2	0.082	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	3.76	mg/L	EPA 353.2	0.082	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	4.41	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1.98	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2.01	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	4.48	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	6	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	5.95	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	5.77	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	5.79	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2016/17-6	Lab	LCS	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1.02	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2016/17-6	Lab	method blank	5/5/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	method blank	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	1.02	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/16/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2016/17-6	Lab	method blank	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.997	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2016/17-6	Lab	method blank	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.979	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-6	Lab	method blank	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	0.993	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Nutrient	Nitrate as N	n/a	=	4.41	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Nutrient	Nitrate as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Nutrient	Nitrate as N	n/a	=	1.98	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Nutrient	Nitrate as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Nutrient	Nitrate as N	n/a	=	2.01	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Nutrient	Nitrate as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Nutrient	Nitrate as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Nutrient	Nitrate as N	n/a	=	4.48	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Nutrient	Nitrate as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2016/17-6	Lab	method blank	5/19/2017	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS	5/19/2017	Nutrient	Nitrate as N	n/a	=	0.979	mg/L	EPA 353.2	0.041	0.1			
2016/17-6	Lab	LCS, rec	5/19/2017	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2016/17-6	000NONPJ	lab duplicate	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	0.346	mg/L	EPA 365.1	0.0028	0.02		20	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	0.448	mg/L	EPA 365.1	0.0056	0.04			
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	92	%	EPA 365.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	0.452	mg/L	EPA 365.1	0.0056	0.04			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	96	%	EPA 365.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	0.9	%	EPA 365.1	-88	-88	0	20	
2016/17-6	Lab	method blank	5/10/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0495	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	99	%	EPA 365.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0513	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	5/15/2017	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/26/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0531	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-6	Lab	method blank	6/1/2017	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0508	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-SCR	matrix spike	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0562	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	ME-SCR	matrix spike, rec	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-SCR	matrix spike dup	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0561	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	ME-SCR	matrix spike dup, rec	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-SCR	matrix spike, RPD	5/10/2017	Nutrient	Phosphorus as P	Dissolved	=	0.2	%	EPA 365.1	-88	-88	0	20	
2016/17-6	ME-VR2	matrix spike	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0586	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	ME-VR2	matrix spike, rec	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	105	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike dup	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0581	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	ME-VR2	matrix spike dup, rec	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike, RPD	6/1/2017	Nutrient	Phosphorus as P	Dissolved	=	0.9	%	EPA 365.1	-88	-88	0	20	
2016/17-6	MO-THO	matrix spike	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0631	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	MO-THO	matrix spike, rec	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-6	MO-THO	matrix spike dup	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	0.0632	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	MO-THO	matrix spike dup, rec	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-6	MO-THO	matrix spike, RPD	5/26/2017	Nutrient	Phosphorus as P	Dissolved	=	0.2	%	EPA 365.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/10/2017	Nutrient	Phosphorus as P	Total	=	0.093	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Nutrient	Phosphorus as P	Total	=	107	%	EPA 365.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Nutrient	Phosphorus as P	Total	=	0.0939	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Nutrient	Phosphorus as P	Total	=	1	%	EPA 365.1	-88	-88	0	20	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Nutrient	Phosphorus as P	Total	=	0.588	mg/L	EPA 365.1	0.0056	0.04			
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Nutrient	Phosphorus as P	Total	=	0.584	mg/L	EPA 365.1	0.0056	0.04			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Nutrient	Phosphorus as P	Total	=	96	%	EPA 365.1	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Nutrient	Phosphorus as P	Total	=	0.7	%	EPA 365.1	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	lab duplicate	5/15/2017	Nutrient	Phosphorus as P	Total	=	0.484	mg/L	EPA 365.1	0.0056	0.04		20	
2016/17-6	Lab	method blank	5/10/2017	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	5/10/2017	Nutrient	Phosphorus as P	Total	=	0.0503	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	5/10/2017	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	5/15/2017	Nutrient	Phosphorus as P	Total	=	0.0493	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	5/15/2017	Nutrient	Phosphorus as P	Total	=	99	%	EPA 365.1	-88	-88	90	110	
2016/17-6	Lab	method blank	5/26/2017	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	5/26/2017	Nutrient	Phosphorus as P	Total	=	0.0529	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	5/26/2017	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2016/17-6	Lab	method blank	6/1/2017	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS	6/1/2017	Nutrient	Phosphorus as P	Total	=	0.0502	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	Lab	LCS, rec	6/1/2017	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike	6/1/2017	Nutrient	Phosphorus as P	Total	=	0.0633	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	ME-VR2	matrix spike, rec	6/1/2017	Nutrient	Phosphorus as P	Total	=	105	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike dup	6/1/2017	Nutrient	Phosphorus as P	Total	=	0.0629	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	ME-VR2	matrix spike dup, rec	6/1/2017	Nutrient	Phosphorus as P	Total	=	105	%	EPA 365.1	-88	-88	90	110	
2016/17-6	ME-VR2	matrix spike, RPD	6/1/2017	Nutrient	Phosphorus as P	Total	=	0.6	%	EPA 365.1	-88	-88	0	20	
2016/17-6	MO-SIM	matrix spike	5/26/2017	Nutrient	Phosphorus as P	Total	=	0.0595	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	MO-SIM	matrix spike, rec	5/26/2017	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2016/17-6	MO-SIM	matrix spike dup	5/26/2017	Nutrient	Phosphorus as P	Total	=	0.0612	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	MO-SIM	matrix spike dup, rec	5/26/2017	Nutrient	Phosphorus as P	Total	=	107	%	EPA 365.1	-88	-88	90	110	
2016/17-6	MO-SIM	matrix spike, RPD	5/26/2017	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2016/17-6	MO-THO	matrix spike	5/26/2017	Nutrient	Phosphorus as P	Total	=	0.0673	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	MO-THO	matrix spike, rec	5/26/2017	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-6	MO-THO	matrix spike dup	5/26/2017	Nutrient	Phosphorus as P	Total	=	0.0675	mg/L	EPA 365.1	0.0014	0.01			
2016/17-6	MO-THO	matrix spike dup, rec	5/26/2017	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2016/17-6	MO-THO	matrix spike, RPD	5/26/2017	Nutrient	Phosphorus as P	Total	=	0.3	%	EPA 365.1	-88	-88	0	20	
2016/17-6	000NONPJ	lab duplicate	5/15/2017	Nutrient	TKN	n/a	=	0.308	mg/L	EPA 351.2	0.05	0.1		10	
2016/17-6	000NONPJ	matrix spike	5/15/2017	Nutrient	TKN	n/a	=	1.34	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	000NONPJ	matrix spike	5/15/2017	Nutrient	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1			GB
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Nutrient	TKN	n/a	=	1.87	mg/L	EPA 351.2	0.05	0.1			GB
2016/17-6	000NONPJ	matrix spike dup	5/15/2017	Nutrient	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Nutrient	TKN	n/a	=	153	%	EPA 351.2	-88	-88	90	110	GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/15/2017	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/15/2017	Nutrient	TKN	n/a	=	86	%	EPA 351.2	-88	-88	90	110	GB
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Nutrient	TKN	n/a	=	5	%	EPA 351.2	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike, RPD	5/15/2017	Nutrient	TKN	n/a	=	44	%	EPA 351.2	-88	-88	0	10	IL
2016/17-6	000NONPJ	matrix spike	5/26/2017	Nutrient	TKN	n/a	=	1.34	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	000NONPJ	matrix spike	5/26/2017	Nutrient	TKN	n/a	=	1.35	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/26/2017	Nutrient	TKN	n/a	=	1.35	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	000NONPJ	matrix spike dup	5/26/2017	Nutrient	TKN	n/a	=	1.38	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/26/2017	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike dup, rec	5/26/2017	Nutrient	TKN	n/a	=	108	%	EPA 351.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/26/2017	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2016/17-6	000NONPJ	matrix spike, rec	5/26/2017	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, RPD	5/26/2017	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2016/17-6	000NONPJ	matrix spike, RPD	5/26/2017	Nutrient	TKN	n/a	=	0.04	%	EPA 351.2	-88	-88	0	10	
2016/17-6	Lab	LCS	5/15/2017	Nutrient	TKN	n/a	=	1.02	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	LCS	5/15/2017	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	LCS, rec	5/15/2017	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2016/17-6	Lab	LCS, rec	5/15/2017	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2016/17-6	Lab	method blank	5/15/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	method blank	5/15/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	LCS	5/26/2017	Nutrient	TKN	n/a	=	0.978	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	LCS	5/26/2017	Nutrient	TKN	n/a	=	0.988	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	LCS, rec	5/26/2017	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2016/17-6	Lab	LCS, rec	5/26/2017	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2016/17-6	Lab	method blank	5/26/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	method blank	5/26/2017	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2016/17-6	Lab	method blank	5/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.55	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	44	142	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.55	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	44	142	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	20.2	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	81	%	EPA 625	-88	-88	44	142	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	18	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	44	142	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	44	142	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	44	142	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.57	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	32	129	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	15.8	µg/L	EPA 625	0.57	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	63	%	EPA 625	-88	-88	32	129	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	1,2-Dichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	1,2-Dichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	1,2-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	32	129	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	1,2-Dichlorobenzene	n/a	=	16.8	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	1,2-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	32	129	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	1,2-Dichlorobenzene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	1,2-Dichlorobenzene	n/a	=	16.1	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	1,2-Dichlorobenzene	n/a	=	64	%	EPA 625	-88	-88	32	129	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	1,2-Dichlorobenzene	n/a	=	15.9	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	1,2-Dichlorobenzene	n/a	=	63	%	EPA 625	-88	-88	32	129	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	1,2-Dichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	srgt LCS	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2016/17-6	Lab	srgt LCS dup	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2016/17-6	Lab	srgt method blank	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	1,2-Dichloroethane-d4	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	1,2-Dichloroethane-d4	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	1,2-Dichloroethane-d4	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2016/17-6	ME-CC	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	46.2	µg/L	EPA 624	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	92	%	EPA 624	-88	-88	82	125	
2016/17-6	ME-CC	srgt matrix spike	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	38.8	µg/L	EPA 624	-88	-88			GN
2016/17-6	ME-CC	srgt matrix spike, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	78	%	EPA 624	-88	-88	82	125	GN
2016/17-6	ME-CC	srgt matrix spike dup	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	40.1	µg/L	EPA 624	-88	-88			GN
2016/17-6	ME-CC	srgt matrix spike dup, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	80	%	EPA 624	-88	-88	82	125	GN
2016/17-6	ME-SCR	srgt environ	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2016/17-6	ME-SCR	srgt matrix spike	5/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt matrix spike, rec	5/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2016/17-6	ME-SCR	srgt matrix spike dup	5/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	54.1	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt matrix spike dup, rec	5/10/2017	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-6	ME-VR2	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	44.3	µg/L	EPA 624	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	89	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-CAM	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	44.3	µg/L	EPA 624	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	89	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-FIL	srgt environ	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	55.4	µg/L	EPA 624	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	111	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-HUE	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	43.8	µg/L	EPA 624	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	88	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-MPK	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	41.4	µg/L	EPA 624	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	83	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-OJA	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	43.4	µg/L	EPA 624	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	87	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-OXN	srgt environ	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	54	µg/L	EPA 624	-88	-88			
2016/17-6	MO-OXN	srgt environ, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-SIM	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	92	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-THO	srgt environ	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	45.6	µg/L	EPA 624	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/25/2017	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2016/17-6	MO-VEN	srgt environ	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	57.2	µg/L	EPA 624	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/9/2017	Organic	1,2-Dichloroethane-d4	n/a	=	114	%	EPA 624	-88	-88	82	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/13/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	method blank	5/26/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	method blank	5/31/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	method blank	5/13/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	172	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	16.3	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	0.1	172	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	1,3-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	1,3-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	1,3-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	0.1	172	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	1,3-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	172	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	1,3-Dichlorobenzene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	1,3-Dichlorobenzene	n/a	=	16.8	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	1,3-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	0.1	172	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	1,3-Dichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	1,3-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	172	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	1,3-Dichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	000NONPJ	srgt matrix spike	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.74	µg/L	EPA 525.2m	-88	-88			GN
2016/17-6	000NONPJ	srgt matrix spike, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	148	%	EPA 525.2m	-88	-88	76	128	GN
2016/17-6	000NONPJ	srgt matrix spike dup	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.924	µg/L	EPA 525.2m	-88	-88			EST,GN
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	185	%	EPA 525.2m	-88	-88	76	128	EST,GN
2016/17-6	000NONPJ	srgt matrix spike	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.495	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	000NONPJ	srgt matrix spike dup	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.482	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	000NONPJ	srgt matrix spike	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.452	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	000NONPJ	srgt matrix spike dup	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.485	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	srgt method blank	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.95	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS dup	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.97	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/10/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/10/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/10/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.7	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/10/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS dup	5/10/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.41	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/10/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.445	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt LCS	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.484	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.466	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.487	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.92	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.82	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS dup	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.03	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.505	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	srgt LCS	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	srgt method blank	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS dup	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.97	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-CC	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.54	µg/L	EPA 525.2m	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	ME-CC	srgt environ	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.44	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-SCR	srgt environ	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-SCR	srgt environ	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.509	µg/L	EPA 525.2m	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	ME-VR2	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.23	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-VR2	srgt environ	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.521	µg/L	EPA 525.2m	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.455	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-CAM	srgt environ	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.4	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-FIL	srgt environ	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-FIL	srgt environ	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.509	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-FIL	srgt environ, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-HUE	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.83	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	137	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-HUE	srgt environ	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.629	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	126	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.455	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-MPK	srgt environ	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-OJA	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.32	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-OJA	srgt environ	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.53	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/25/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.49	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-SIM	srgt environ	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.11	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.529	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	MO-THO	srgt environ	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.1	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	6/15/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-VEN	srgt environ	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.46	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/5/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-VEN	srgt environ	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.477	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/16/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2016/17-6	Lab	method blank	5/13/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.55	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	20	124	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	16	µg/L	EPA 625	0.55	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	64	%	EPA 625	-88	-88	20	124	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	1,4-Dichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	1,4-Dichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	1,4-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	20	124	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	1,4-Dichlorobenzene	n/a	=	17	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	1,4-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	20	124	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	1,4-Dichlorobenzene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	1,4-Dichlorobenzene	n/a	=	16.2	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	1,4-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	20	124	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	1,4-Dichlorobenzene	n/a	=	15.9	µg/L	EPA 625	0.53	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	1,4-Dichlorobenzene	n/a	=	64	%	EPA 625	-88	-88	20	124	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	1,4-Dichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	method blank	5/24/2017	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	method blank	6/2/2017	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2016/17-6	Lab	method blank	6/2/2017	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2016/17-6	Lab	srgrt method blank	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	27.1	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt method blank, rec	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	54	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt LCS	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	39.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt LCS, rec	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt LCS dup	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	35.9	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt LCS dup, rec	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt method blank	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	4.47	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt method blank, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	45	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt LCS	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.82	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt LCS, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt LCS dup	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.39	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt LCS dup, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt method blank	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.82	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt method blank, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt LCS	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.26	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt LCS, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt LCS dup	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.91	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt LCS dup, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt method blank	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt method blank, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt LCS	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	39.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt LCS, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt LCS dup	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	40.5	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt LCS dup, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt method blank	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	26.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt method blank, rec	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt LCS	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.4	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt LCS, rec	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt LCS dup	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.3	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgrt LCS dup, rec	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2016/17-6	Lab	srgrt method blank	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	2.2	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgrt method blank, rec	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	22	%	EPA 8270C	-88	-88	26	117	GN
2016/17-6	Lab	srgrt LCS	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.05	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt LCS, rec	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	50	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	srgrt LCS dup	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.55	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgrt LCS dup, rec	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	56	%	EPA 8270C	-88	-88	26	117	
2016/17-6	ME-CC	srgrt environ	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.71	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-CC	srgrt environ, rec	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2016/17-6	ME-CC	srgrt environ	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	29.5	µg/L	EPA 625	-88	-88			
2016/17-6	ME-CC	srgrt environ, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 625	-88	-88	25	102	
2016/17-6	ME-SCR	srgrt environ	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	39.6	µg/L	EPA 625	-88	-88			
2016/17-6	ME-SCR	srgrt environ, rec	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2016/17-6	ME-SCR	srgrt environ	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.4	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-SCR	srgrt environ, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270C	-88	-88	26	117	
2016/17-6	ME-VR2	srgrt environ	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.8	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625	-88	-88	25	102	
2016/17-6	ME-VR2	srgt environ	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.32	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.53	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-CAM	srgt environ	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	32.9	µg/L	EPA 625	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	37.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-FIL	srgt environ	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.82	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-HUE	srgt environ	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	30.6	µg/L	EPA 625	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-HUE	srgt environ	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	5.92	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.86	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-MPK	srgt environ	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	31.1	µg/L	EPA 625	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-OJA	srgt environ	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.11	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	6/2/2017	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	7.82	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-SIM	srgt environ	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	25.1	µg/L	EPA 625	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	50	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	6.92	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270C	-88	-88	26	117	
2016/17-6	MO-THO	srgt environ	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/26/2017	Organic	2,4,6-Tribromophenol	n/a	=	43	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.4	µg/L	EPA 625	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2016/17-6	MO-VEN	srgt environ	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	8.55	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/23/2017	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270C	-88	-88	26	117	
2016/17-6	Lab	method blank	5/13/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	17.2	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	69	%	EPA 625	-88	-88	37	144	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	16.3	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	65	%	EPA 625	-88	-88	37	144	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	7.31	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	73	%	EPA 8270C	-88	-88	30	115	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	8.51	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	30	115	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	15	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	7.43	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 8270C	-88	-88	30	115	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	8.24	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	82	%	EPA 8270C	-88	-88	30	115	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4,6-Trichlorophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2,4,6-Trichlorophenol	n/a	=	19.3	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2,4,6-Trichlorophenol	n/a	=	77	%	EPA 625	-88	-88	37	144	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2,4,6-Trichlorophenol	n/a	=	19.8	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2,4,6-Trichlorophenol	n/a	=	79	%	EPA 625	-88	-88	37	144	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2,4,6-Trichlorophenol	n/a	=	17.8	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2,4,6-Trichlorophenol	n/a	=	71	%	EPA 625	-88	-88	37	144	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2,4,6-Trichlorophenol	n/a	=	18	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 625	-88	-88	37	144	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2,4,6-Trichlorophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	2,4,6-Trichlorophenol	n/a	=	5.64	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	2,4,6-Trichlorophenol	n/a	=	56	%	EPA 8270C	-88	-88	30	115	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	2,4,6-Trichlorophenol	n/a	=	6.28	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	2,4,6-Trichlorophenol	n/a	=	63	%	EPA 8270C	-88	-88	30	115	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	2,4,6-Trichlorophenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2,4-Dichlorophenol	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 625	-88	-88	39	135	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2,4-Dichlorophenol	n/a	=	17.3	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2,4-Dichlorophenol	n/a	=	69	%	EPA 625	-88	-88	39	135	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2,4-Dichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	6.95	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	69	%	EPA 8270C	-88	-88	32	105	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	8.09	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	81	%	EPA 8270C	-88	-88	32	105	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	6.62	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	66	%	EPA 8270C	-88	-88	32	105	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	7.18	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 8270C	-88	-88	32	105	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2,4-Dichlorophenol	n/a	=	20.5	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2,4-Dichlorophenol	n/a	=	82	%	EPA 625	-88	-88	39	135	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2,4-Dichlorophenol	n/a	=	20.8	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2,4-Dichlorophenol	n/a	=	83	%	EPA 625	-88	-88	39	135	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2,4-Dichlorophenol	n/a	=	17.2	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2,4-Dichlorophenol	n/a	=	69	%	EPA 625	-88	-88	39	135	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2,4-Dichlorophenol	n/a	=	17.9	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 625	-88	-88	39	135	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2,4-Dichlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	2,4-Dichlorophenol	n/a	=	5.18	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	2,4-Dichlorophenol	n/a	=	52	%	EPA 8270C	-88	-88	32	105	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	2,4-Dichlorophenol	n/a	=	5.59	µg/L	EPA 8270C	0.51	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	2,4-Dichlorophenol	n/a	=	56	%	EPA 8270C	-88	-88	32	105	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	000NONPJ	srgt matrix spike	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike dup	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.7	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.7	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike dup	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.5	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike dup	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike dup	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	srgt matrix spike dup	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.8	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/12/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt method blank	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.3	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	ME-CC	srgt environ	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-6	ME-SCR	srgt environ	5/13/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.4	µg/L	EPA 515.3	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/13/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-6	ME-VR2	srgt environ	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-HUE	srgt environ	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-OJA	srgt environ	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.4	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/25/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-OXN	srgt environ	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-OXN	srgt environ, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-SIM	srgt environ	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-THO	srgt environ	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/23/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.5	µg/L	EPA 515.3	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	2,4-Dichlorophenylacetic acid	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/13/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2,4-Dimethylphenol	n/a	=	15.6	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2,4-Dimethylphenol	n/a	=	63	%	EPA 625	-88	-88	32	119	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2,4-Dimethylphenol	n/a	=	14.2	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2,4-Dimethylphenol	n/a	=	57	%	EPA 625	-88	-88	32	119	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2,4-Dimethylphenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	5.61	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	56	%	EPA 8270C	-88	-88	31	97	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	5.6	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	56	%	EPA 8270C	-88	-88	31	97	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	0.2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	4.33	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	43	%	EPA 8270C	-88	-88	31	97	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	4.98	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	50	%	EPA 8270C	-88	-88	31	97	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4-Dimethylphenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2,4-Dimethylphenol	n/a	=	4.06	µg/L	EPA 625	0.3	1			EUM
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2,4-Dimethylphenol	n/a	=	16	%	EPA 625	-88	-88	32	119	EUM
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2,4-Dimethylphenol	n/a	=	4.12	µg/L	EPA 625	0.3	1			EUM
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2,4-Dimethylphenol	n/a	=	16	%	EPA 625	-88	-88	32	119	EUM
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2,4-Dimethylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	EUM
2016/17-6	Lab	method blank	5/31/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2,4-Dimethylphenol	n/a	=	14.8	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2,4-Dimethylphenol	n/a	=	59	%	EPA 625	-88	-88	32	119	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2,4-Dimethylphenol	n/a	=	15	µg/L	EPA 625	0.3	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 625	-88	-88	32	119	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2,4-Dimethylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	6/2/2017	Organic	2,4-Dimethylphenol	n/a	=	4.27	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	2,4-Dimethylphenol	n/a	=	43	%	EPA 8270C	-88	-88	31	97	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	2,4-Dimethylphenol	n/a	=	4.14	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	2,4-Dimethylphenol	n/a	=	41	%	EPA 8270C	-88	-88	31	97	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	2,4-Dimethylphenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS	5/13/2017	Organic	2,4-Dinitrophenol	n/a	=	12.6	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2,4-Dinitrophenol	n/a	=	50	%	EPA 625	-88	-88	0.1	191	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2,4-Dinitrophenol	n/a	=	11.7	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2,4-Dinitrophenol	n/a	=	47	%	EPA 625	-88	-88	0.1	191	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	7.61	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	76	%	EPA 8270C	-88	-88	7	155	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	8.77	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	88	%	EPA 8270C	-88	-88	7	155	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	7.48	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	75	%	EPA 8270C	-88	-88	7	155	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	8.24	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	82	%	EPA 8270C	-88	-88	7	155	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2,4-Dinitrophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS	5/26/2017	Organic	2,4-Dinitrophenol	n/a	=	20.8	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2,4-Dinitrophenol	n/a	=	83	%	EPA 625	-88	-88	0.1	191	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2,4-Dinitrophenol	n/a	=	21	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2,4-Dinitrophenol	n/a	=	84	%	EPA 625	-88	-88	0.1	191	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2,4-Dinitrophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS	5/31/2017	Organic	2,4-Dinitrophenol	n/a	DNQ	9.51	µg/L	EPA 625	1.6	10			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2,4-Dinitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	191	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2,4-Dinitrophenol	n/a	=	14.2	µg/L	EPA 625	1.6	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2,4-Dinitrophenol	n/a	=	57	%	EPA 625	-88	-88	0.1	191	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2,4-Dinitrophenol	n/a	=	40	%	EPA 625	-88	-88	0	30	IL
2016/17-6	Lab	method blank	6/2/2017	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	6/2/2017	Organic	2,4-Dinitrophenol	n/a	=	4.3	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	2,4-Dinitrophenol	n/a	=	43	%	EPA 8270C	-88	-88	7	155	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	2,4-Dinitrophenol	n/a	=	4.96	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	2,4-Dinitrophenol	n/a	=	50	%	EPA 8270C	-88	-88	7	155	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	2,4-Dinitrophenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	18.4	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	39	139	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	16.8	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	67	%	EPA 625	-88	-88	39	139	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2,4-Dinitrotoluene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2,4-Dinitrotoluene	n/a	=	26.3	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2,4-Dinitrotoluene	n/a	=	105	%	EPA 625	-88	-88	39	139	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2,4-Dinitrotoluene	n/a	=	26.6	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2,4-Dinitrotoluene	n/a	=	106	%	EPA 625	-88	-88	39	139	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2,4-Dinitrotoluene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2,4-Dinitrotoluene	n/a	=	23.6	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2,4-Dinitrotoluene	n/a	=	94	%	EPA 625	-88	-88	39	139	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2,4-Dinitrotoluene	n/a	=	25.6	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2,4-Dinitrotoluene	n/a	=	102	%	EPA 625	-88	-88	39	139	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2,4-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	11.4	µg/L	EPA 625	0.27	1			EUM
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	45	%	EPA 625	-88	-88	50	158	EUM
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	10.5	µg/L	EPA 625	0.27	1			EUM
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	42	%	EPA 625	-88	-88	50	158	EUM
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2,6-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	EUM
2016/17-6	Lab	method blank	5/26/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2,6-Dinitrotoluene	n/a	=	18.2	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2,6-Dinitrotoluene	n/a	=	73	%	EPA 625	-88	-88	50	158	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2,6-Dinitrotoluene	n/a	=	18.7	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2,6-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	50	158	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2,6-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2,6-Dinitrotoluene	n/a	=	16.2	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2,6-Dinitrotoluene	n/a	=	65	%	EPA 625	-88	-88	50	158	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2,6-Dinitrotoluene	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2,6-Dinitrotoluene	n/a	=	71	%	EPA 625	-88	-88	50	158	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2,6-Dinitrotoluene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	LCS	5/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	60.3	µg/L	EPA 624	0.28	1			
2016/17-6	Lab	LCS, rec	5/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	121	%	EPA 624	-88	-88	0.1	305	
2016/17-6	Lab	LCS dup	5/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	66.5	µg/L	EPA 624	0.28	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	5/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	133	%	EPA 624	-88	-88	0.1	305	
2016/17-6	Lab	LCS, RPD	5/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	10	%	EPA 624	-88	-88	0	25	
2016/17-6	Lab	method blank	5/9/2017	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-6	Lab	LCS	5/24/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	58.6	µg/L	EPA 624	0.28	1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	117	%	EPA 624	-88	-88	0.1	305	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	55	µg/L	EPA 624	0.28	1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	110	%	EPA 624	-88	-88	0.1	305	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	6	%	EPA 624	-88	-88	0	25	
2016/17-6	Lab	method blank	5/24/2017	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2016/17-6	ME-CC	matrix spike	5/25/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	42.2	µg/L	EPA 624	0.28	1			
2016/17-6	ME-CC	matrix spike, rec	5/25/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	84	%	EPA 624	-88	-88	0.1	305	
2016/17-6	ME-CC	matrix spike dup	5/25/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	48.8	µg/L	EPA 624	0.28	1			
2016/17-6	ME-CC	matrix spike dup, rec	5/25/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	98	%	EPA 624	-88	-88	0.1	305	
2016/17-6	ME-CC	matrix spike, RPD	5/25/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	14	%	EPA 624	-88	-88	0	25	
2016/17-6	ME-SCR	matrix spike	5/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	53.8	µg/L	EPA 624	0.28	1			
2016/17-6	ME-SCR	matrix spike, rec	5/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	108	%	EPA 624	-88	-88	0.1	305	
2016/17-6	ME-SCR	matrix spike dup	5/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	62.2	µg/L	EPA 624	0.28	1			
2016/17-6	ME-SCR	matrix spike dup, rec	5/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	124	%	EPA 624	-88	-88	0.1	305	
2016/17-6	ME-SCR	matrix spike, RPD	5/10/2017	Organic	2-Chloroethyl vinyl ether	n/a	=	15	%	EPA 624	-88	-88	0	25	
2016/17-6	Lab	method blank	5/13/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2-Chloronaphthalene	n/a	=	19	µg/L	EPA 625	0.45	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2-Chloronaphthalene	n/a	=	76	%	EPA 625	-88	-88	60	118	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2-Chloronaphthalene	n/a	=	18	µg/L	EPA 625	0.45	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2-Chloronaphthalene	n/a	=	72	%	EPA 625	-88	-88	60	118	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2-Chloronaphthalene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2-Chloronaphthalene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2-Chloronaphthalene	n/a	=	20.7	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2-Chloronaphthalene	n/a	=	83	%	EPA 625	-88	-88	60	118	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2-Chloronaphthalene	n/a	=	19.7	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2-Chloronaphthalene	n/a	=	79	%	EPA 625	-88	-88	60	118	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2-Chloronaphthalene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2-Chloronaphthalene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2-Chloronaphthalene	n/a	=	18.2	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2-Chloronaphthalene	n/a	=	73	%	EPA 625	-88	-88	60	118	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2-Chloronaphthalene	n/a	=	18	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2-Chloronaphthalene	n/a	=	72	%	EPA 625	-88	-88	60	118	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2-Chloronaphthalene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2-Chlorophenol	n/a	=	16.5	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2-Chlorophenol	n/a	=	66	%	EPA 625	-88	-88	23	134	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2-Chlorophenol	n/a	=	15	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2-Chlorophenol	n/a	=	60	%	EPA 625	-88	-88	23	134	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2-Chlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2-Chlorophenol	n/a	=	6.02	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2-Chlorophenol	n/a	=	60	%	EPA 8270C	-88	-88	27	90	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2-Chlorophenol	n/a	=	6.92	µg/L	EPA 8270C	0.65	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2-Chlorophenol	n/a	=	69	%	EPA 8270C	-88	-88	27	90	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2-Chlorophenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2-Chlorophenol	n/a	=	5.74	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2-Chlorophenol	n/a	=	57	%	EPA 8270C	-88	-88	27	90	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2-Chlorophenol	n/a	=	6.05	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2-Chlorophenol	n/a	=	60	%	EPA 8270C	-88	-88	27	90	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2-Chlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2-Chlorophenol	n/a	=	18.4	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2-Chlorophenol	n/a	=	74	%	EPA 625	-88	-88	23	134	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2-Chlorophenol	n/a	=	18	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2-Chlorophenol	n/a	=	72	%	EPA 625	-88	-88	23	134	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2-Chlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2-Chlorophenol	n/a	=	15.9	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2-Chlorophenol	n/a	=	64	%	EPA 625	-88	-88	23	134	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2-Chlorophenol	n/a	=	16.6	µg/L	EPA 625	0.28	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2-Chlorophenol	n/a	=	67	%	EPA 625	-88	-88	23	134	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2-Chlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	2-Chlorophenol	n/a	=	5.04	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	2-Chlorophenol	n/a	=	50	%	EPA 8270C	-88	-88	27	90	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	2-Chlorophenol	n/a	=	5.21	µg/L	EPA 8270C	0.65	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	2-Chlorophenol	n/a	=	52	%	EPA 8270C	-88	-88	27	90	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	2-Chlorophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	srgt method blank	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt LCS	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	18	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt LCS dup	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt method blank	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt LCS	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	3.07	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt LCS dup	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	3.4	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	2.68	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	54	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	2.59	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	2.93	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt method blank	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt LCS	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	18.5	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt LCS, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt LCS dup	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt method blank	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt LCS	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt LCS dup	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2016/17-6	Lab	srgt method blank	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	2.63	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt LCS	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	2.54	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt LCS dup	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	2.64	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2016/17-6	ME-CC	srgt environ	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	2.89	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2016/17-6	ME-CC	srgt environ	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2016/17-6	ME-SCR	srgt environ	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2016/17-6	ME-SCR	srgt environ	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	3.32	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270C	-88	-88	51	139	
2016/17-6	ME-VR2	srgt environ	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2016/17-6	ME-VR2	srgt environ	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	2.84	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 8270C	-88	-88	51	139	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	1.84	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	37	%	EPA 8270C	-88	-88	51	139	GN
2016/17-6	MO-CAM	srgt environ	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-FIL	srgt environ	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2016/17-6	MO-HUE	srgt environ	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-HUE	srgt environ	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	2.58	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 8270C	-88	-88	51	139	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	1.89	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	38	%	EPA 8270C	-88	-88	51	139	GN
2016/17-6	MO-MPK	srgt environ	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	12.1	µg/L	EPA 625	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	49	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-OJA	srgt environ	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	2.17	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-OJA	srgt environ, rec	6/2/2017	Organic	2-Fluorobiphenyl	n/a	=	43	%	EPA 8270C	-88	-88	51	139	GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	2.78	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2016/17-6	MO-SIM	srgt environ	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	2.52	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 8270C	-88	-88	51	139	GN
2016/17-6	MO-THO	srgt environ	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/26/2017	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 625	-88	-88	22	107	
2016/17-6	MO-VEN	srgt environ	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	2.79	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/17/2017	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2016/17-6	Lab	srgt method blank	5/13/2017	Organic	2-Fluorophenol	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/13/2017	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt LCS	5/13/2017	Organic	2-Fluorophenol	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/13/2017	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt LCS dup	5/13/2017	Organic	2-Fluorophenol	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/13/2017	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt method blank	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.5	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt LCS	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.22	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt LCS dup	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.71	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	37	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt method blank	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.47	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt LCS	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt LCS dup	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.27	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	33	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt method blank	5/26/2017	Organic	2-Fluorophenol	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt LCS	5/26/2017	Organic	2-Fluorophenol	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt LCS dup	5/26/2017	Organic	2-Fluorophenol	n/a	=	21	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt method blank	5/31/2017	Organic	2-Fluorophenol	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/31/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt LCS	5/31/2017	Organic	2-Fluorophenol	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/31/2017	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt LCS dup	5/31/2017	Organic	2-Fluorophenol	n/a	=	20.6	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/31/2017	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2016/17-6	Lab	srgt method blank	6/2/2017	Organic	2-Fluorophenol	n/a	=	3.36	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/2/2017	Organic	2-Fluorophenol	n/a	=	34	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt LCS	6/2/2017	Organic	2-Fluorophenol	n/a	=	2.97	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/2/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	srgt LCS dup	6/2/2017	Organic	2-Fluorophenol	n/a	=	2.97	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2016/17-6	ME-CC	srgt environ	5/24/2017	Organic	2-Fluorophenol	n/a	=	3.19	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2016/17-6	ME-CC	srgt environ	5/26/2017	Organic	2-Fluorophenol	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625	-88	-88	3	74	
2016/17-6	ME-SCR	srgt environ	5/13/2017	Organic	2-Fluorophenol	n/a	=	22.8	µg/L	EPA 625	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/13/2017	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2016/17-6	ME-SCR	srgt environ	5/23/2017	Organic	2-Fluorophenol	n/a	=	4.26	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2016/17-6	ME-VR2	srgt environ	5/31/2017	Organic	2-Fluorophenol	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2016/17-6	ME-VR2	srgt environ	6/2/2017	Organic	2-Fluorophenol	n/a	=	3.32	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/2/2017	Organic	2-Fluorophenol	n/a	=	33	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	2-Fluorophenol	n/a	=	2.64	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	2-Fluorophenol	n/a	=	26	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-CAM	srgt environ	5/26/2017	Organic	2-Fluorophenol	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	2-Fluorophenol	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-FIL	srgt environ	5/23/2017	Organic	2-Fluorophenol	n/a	=	4.03	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-HUE	srgt environ	5/31/2017	Organic	2-Fluorophenol	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-HUE	srgt environ	6/2/2017	Organic	2-Fluorophenol	n/a	=	2.95	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/2/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	2-Fluorophenol	n/a	=	2.95	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-MPK	srgt environ	5/26/2017	Organic	2-Fluorophenol	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Organic	2-Fluorophenol	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Organic	2-Fluorophenol	n/a	=	35	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-OJA	srgt environ	6/2/2017	Organic	2-Fluorophenol	n/a	=	2.71	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	6/2/2017	Organic	2-Fluorophenol	n/a	=	27	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	2-Fluorophenol	n/a	=	3.19	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-SIM	srgt environ	5/26/2017	Organic	2-Fluorophenol	n/a	=	12.2	µg/L	EPA 625	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	24	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	2-Fluorophenol	n/a	=	3.03	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2016/17-6	MO-THO	srgt environ	5/26/2017	Organic	2-Fluorophenol	n/a	=	11.4	µg/L	EPA 625	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/26/2017	Organic	2-Fluorophenol	n/a	=	23	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	2-Fluorophenol	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2016/17-6	MO-VEN	srgt environ	5/23/2017	Organic	2-Fluorophenol	n/a	=	3.61	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/23/2017	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2016/17-6	Lab	method blank	5/17/2017	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	method blank	5/24/2017	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	6/2/2017	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	method blank	5/23/2017	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-6	Lab	method blank	5/23/2017	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-6	Lab	method blank	6/2/2017	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2016/17-6	Lab	method blank	5/13/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	2-Nitrophenol	n/a	=	16.1	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	2-Nitrophenol	n/a	=	64	%	EPA 625	-88	-88	29	182	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	2-Nitrophenol	n/a	=	15.5	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	2-Nitrophenol	n/a	=	62	%	EPA 625	-88	-88	29	182	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	2-Nitrophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2-Nitrophenol	n/a	=	5.86	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2-Nitrophenol	n/a	=	59	%	EPA 8270C	-88	-88	33	103	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2-Nitrophenol	n/a	=	7.69	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2-Nitrophenol	n/a	=	77	%	EPA 8270C	-88	-88	33	103	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2-Nitrophenol	n/a	=	27	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	2-Nitrophenol	n/a	=	7.38	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	2-Nitrophenol	n/a	=	74	%	EPA 8270C	-88	-88	33	103	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	2-Nitrophenol	n/a	=	8.08	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	2-Nitrophenol	n/a	=	81	%	EPA 8270C	-88	-88	33	103	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	2-Nitrophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	2-Nitrophenol	n/a	=	20.9	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625	-88	-88	29	182	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	2-Nitrophenol	n/a	=	20.7	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625	-88	-88	29	182	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	2-Nitrophenol	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	2-Nitrophenol	n/a	=	17	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	2-Nitrophenol	n/a	=	68	%	EPA 625	-88	-88	29	182	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	2-Nitrophenol	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	2-Nitrophenol	n/a	=	73	%	EPA 625	-88	-88	29	182	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	2-Nitrophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	2-Nitrophenol	n/a	=	5.2	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	2-Nitrophenol	n/a	=	52	%	EPA 8270C	-88	-88	33	103	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	2-Nitrophenol	n/a	=	5.84	µg/L	EPA 8270C	0.71	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	2-Nitrophenol	n/a	=	58	%	EPA 8270C	-88	-88	33	103	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	2-Nitrophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2016/17-6	Lab	LCS	5/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	14.3	µg/L	EPA 625	1.2	5			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	57	%	EPA 625	-88	-88	0.1	262	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	14.3	µg/L	EPA 625	1.2	5			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	57	%	EPA 625	-88	-88	0.1	262	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	0.06	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	0.67	µg/L	EPA 625	0.67	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/26/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	11.8	µg/L	EPA 625	0.67	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	47	%	EPA 625	-88	-88	0.1	262	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	13.1	µg/L	EPA 625	0.67	5			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	52	%	EPA 625	-88	-88	0.1	262	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	0.67	µg/L	EPA 625	0.67	5			
2016/17-6	Lab	LCS	5/31/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	14	µg/L	EPA 625	0.67	5			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	56	%	EPA 625	-88	-88	0.1	262	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	14.3	µg/L	EPA 625	0.67	5			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	57	%	EPA 625	-88	-88	0.1	262	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	method blank	5/23/2017	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	method blank	6/2/2017	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2016/17-6	Lab	method blank	5/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS	5/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	16.1	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	65	%	EPA 625	-88	-88	0.1	181	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14.9	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	60	%	EPA 625	-88	-88	0.1	181	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.74	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	77	%	EPA 8270C	-88	-88	33	118	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.74	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	87	%	EPA 8270C	-88	-88	33	118	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.01	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	90	%	EPA 8270C	-88	-88	33	118	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.39	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 8270C	-88	-88	33	118	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS	5/26/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.4	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	93	%	EPA 625	-88	-88	0.1	181	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.5	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	0.1	181	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS	5/31/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	11.4	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	46	%	EPA 625	-88	-88	0.1	181	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	16.8	µg/L	EPA 625	1.7	5			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	67	%	EPA 625	-88	-88	0.1	181	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	38	%	EPA 625	-88	-88	0	30	IL
2016/17-6	Lab	method blank	6/2/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5.66	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	57	%	EPA 8270C	-88	-88	33	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6.33	µg/L	EPA 8270C	0.14	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	63	%	EPA 8270C	-88	-88	33	118	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	srgt LCS	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	54.5	µg/L	EPA 624	-88	-88			GN
2016/17-6	Lab	srgt LCS, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	109	%	EPA 624	-88	-88	88	108	GN
2016/17-6	Lab	srgt LCS	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt LCS dup	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt LCS dup	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2016/17-6	Lab	srgt method blank	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt method blank	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2016/17-6	Lab	srgt LCS	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt LCS dup	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt method blank	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	4-Bromofluorobenzene	n/a	=	47.1	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-6	Lab	srgt LCS	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	59	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	118	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt LCS dup	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2016/17-6	Lab	srgt method blank	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 8015D	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 8015D	-88	-88	72	124	
2016/17-6	ME-CC	srgt environ	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	38	µg/L	EPA 8015D	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	76	%	EPA 8015D	-88	-88	72	124	
2016/17-6	ME-CC	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 624	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-6	ME-CC	srgt matrix spike	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2016/17-6	ME-CC	srgt matrix spike, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-6	ME-CC	srgt matrix spike dup	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2016/17-6	ME-CC	srgt matrix spike dup, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2016/17-6	ME-SCR	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015D	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015D	-88	-88	72	124	
2016/17-6	ME-SCR	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	46.7	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-6	ME-SCR	srgt matrix spike	5/10/2017	Organic	4-Bromofluorobenzene	n/a	=	54.2	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt matrix spike, rec	5/10/2017	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 624	-88	-88	88	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-SCR	srgt matrix spike dup	5/10/2017	Organic	4-Bromofluorobenzene	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt matrix spike dup, rec	5/10/2017	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2016/17-6	ME-VR2	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2016/17-6	ME-VR2	srgt environ	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-CAM	srgt environ	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	36	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	72	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-CAM	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-FIL	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	40	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	80	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-FIL	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	44.7	µg/L	EPA 624	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-HUE	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	46.1	µg/L	EPA 624	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-HUE	srgt environ	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	39	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	78	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-MPK	srgt environ	5/20/2017	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/20/2017	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-MPK	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-OJA	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	45.3	µg/L	EPA 624	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-OJA	srgt environ	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	40	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/26/2017	Organic	4-Bromofluorobenzene	n/a	=	80	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-OXN	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-OXN	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-OXN	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	EPA 624	-88	-88			
2016/17-6	MO-OXN	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-SIM	srgt environ	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	40	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	80	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-SIM	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	46.7	µg/L	EPA 624	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-THO	srgt environ	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/19/2017	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-THO	srgt environ	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 624	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/25/2017	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2016/17-6	MO-VEN	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015D	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015D	-88	-88	72	124	
2016/17-6	MO-VEN	srgt environ	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	45.2	µg/L	EPA 624	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/9/2017	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 624	-88	-88	88	108	
2016/17-6	Lab	method blank	5/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	18.4	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	16.9	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	67	%	EPA 625	-88	-88	53	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	19.6	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	53	127	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	19.9	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	53	127	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	17.5	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	70	%	EPA 625	-88	-88	53	127	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	17.8	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	71	%	EPA 625	-88	-88	53	127	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	18.5	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 625	-88	-88	22	147	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	17.5	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	70	%	EPA 625	-88	-88	22	147	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	4-Chloro-3-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	7.32	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	73	%	EPA 8270C	-88	-88	29	108	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	8.31	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	83	%	EPA 8270C	-88	-88	29	108	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	6.93	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	69	%	EPA 8270C	-88	-88	29	108	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	7.75	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	78	%	EPA 8270C	-88	-88	29	108	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	4-Chloro-3-methylphenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	4-Chloro-3-methylphenol	n/a	=	20.1	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 625	-88	-88	22	147	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	4-Chloro-3-methylphenol	n/a	=	20.3	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 625	-88	-88	22	147	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	4-Chloro-3-methylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	4-Chloro-3-methylphenol	n/a	=	19	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625	-88	-88	22	147	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	4-Chloro-3-methylphenol	n/a	=	19.4	µg/L	EPA 625	0.23	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	4-Chloro-3-methylphenol	n/a	=	77	%	EPA 625	-88	-88	22	147	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	4-Chloro-3-methylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	4-Chloro-3-methylphenol	n/a	=	5.41	µg/L	EPA 8270C	0.37	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	4-Chloro-3-methylphenol	n/a	=	54	%	EPA 8270C	-88	-88	29	108	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	4-Chloro-3-methylphenol	n/a	=	5.95	µg/L	EPA 8270C	0.37	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	4-Chloro-3-methylphenol	n/a	=	60	%	EPA 8270C	-88	-88	29	108	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	4-Chloro-3-methylphenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.41	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	25	158	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.1	µg/L	EPA 625	0.41	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	25	158	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.39	µg/L	EPA 625	0.39	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.5	µg/L	EPA 625	0.39	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	90	%	EPA 625	-88	-88	25	158	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.7	µg/L	EPA 625	0.39	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	87	%	EPA 625	-88	-88	25	158	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.39	µg/L	EPA 625	0.39	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	19	µg/L	EPA 625	0.39	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	25	158	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.4	µg/L	EPA 625	0.39	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	78	%	EPA 625	-88	-88	25	158	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS	5/13/2017	Organic	4-Nitrophenol	n/a	=	7.48	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	4-Nitrophenol	n/a	=	30	%	EPA 625	-88	-88	0.1	132	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	4-Nitrophenol	n/a	=	6.75	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	4-Nitrophenol	n/a	=	27	%	EPA 625	-88	-88	0.1	132	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	4-Nitrophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	5/23/2017	Organic	4-Nitrophenol	n/a	=	3.17	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	4-Nitrophenol	n/a	=	32	%	EPA 8270C	-88	-88	6	46	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	4-Nitrophenol	n/a	=	3.39	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	4-Nitrophenol	n/a	=	34	%	EPA 8270C	-88	-88	6	46	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	4-Nitrophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	5/23/2017	Organic	4-Nitrophenol	n/a	=	3.91	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	4-Nitrophenol	n/a	=	39	%	EPA 8270C	-88	-88	6	46	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	4-Nitrophenol	n/a	=	4.18	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	4-Nitrophenol	n/a	=	42	%	EPA 8270C	-88	-88	6	46	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	4-Nitrophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS	5/26/2017	Organic	4-Nitrophenol	n/a	=	10.1	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	4-Nitrophenol	n/a	=	40	%	EPA 625	-88	-88	0.1	132	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	4-Nitrophenol	n/a	=	9.45	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	4-Nitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	132	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	4-Nitrophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS	5/31/2017	Organic	4-Nitrophenol	n/a	=	9.25	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	4-Nitrophenol	n/a	=	37	%	EPA 625	-88	-88	0.1	132	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	4-Nitrophenol	n/a	=	9.31	µg/L	EPA 625	0.45	5			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	4-Nitrophenol	n/a	=	37	%	EPA 625	-88	-88	0.1	132	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	4-Nitrophenol	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS	6/2/2017	Organic	4-Nitrophenol	n/a	DNQ	1.78	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	4-Nitrophenol	n/a	=	18	%	EPA 8270C	-88	-88	6	46	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	4-Nitrophenol	n/a	=	2.1	µg/L	EPA 8270C	1	2			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	4-Nitrophenol	n/a	=	21	%	EPA 8270C	-88	-88	6	46	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	4-Nitrophenol	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Acenaphthene	n/a	=	18.5	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Acenaphthene	n/a	=	74	%	EPA 625	-88	-88	47	145	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Acenaphthene	n/a	=	17.2	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Acenaphthene	n/a	=	69	%	EPA 625	-88	-88	47	145	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Acenaphthene	n/a	=	7.43	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Acenaphthene	n/a	=	74	%	EPA 8270C	-88	-88	11	122	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Acenaphthene	n/a	=	8.23	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Acenaphthene	n/a	=	82	%	EPA 8270C	-88	-88	11	122	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Acenaphthene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Acenaphthene	n/a	=	6.51	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Acenaphthene	n/a	=	65	%	EPA 8270C	-88	-88	11	122	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Acenaphthene	n/a	=	7.25	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Acenaphthene	n/a	=	73	%	EPA 8270C	-88	-88	11	122	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Acenaphthene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Acenaphthene	n/a	=	21.3	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Acenaphthene	n/a	=	85	%	EPA 625	-88	-88	47	145	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Acenaphthene	n/a	=	20.6	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Acenaphthene	n/a	=	82	%	EPA 625	-88	-88	47	145	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Acenaphthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Acenaphthene	n/a	=	18.1	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Acenaphthene	n/a	=	72	%	EPA 625	-88	-88	47	145	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Acenaphthene	n/a	=	18.2	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Acenaphthene	n/a	=	73	%	EPA 625	-88	-88	47	145	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Acenaphthene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Acenaphthene	n/a	=	6.46	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Acenaphthene	n/a	=	65	%	EPA 8270C	-88	-88	11	122	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Acenaphthene	n/a	=	6.82	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Acenaphthene	n/a	=	68	%	EPA 8270C	-88	-88	11	122	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Acenaphthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Acenaphthylene	n/a	=	19.6	µg/L	EPA 625	0.4	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	145	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Acenaphthylene	n/a	=	18.3	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Acenaphthylene	n/a	=	73	%	EPA 625	-88	-88	33	145	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Acenaphthylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Acenaphthylene	n/a	=	7.45	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Acenaphthylene	n/a	=	74	%	EPA 8270C	-88	-88	4	135	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Acenaphthylene	n/a	=	8.38	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Acenaphthylene	n/a	=	84	%	EPA 8270C	-88	-88	4	135	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Acenaphthylene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Acenaphthylene	n/a	=	6.43	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Acenaphthylene	n/a	=	64	%	EPA 8270C	-88	-88	4	135	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Acenaphthylene	n/a	=	7.44	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Acenaphthylene	n/a	=	74	%	EPA 8270C	-88	-88	4	135	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Acenaphthylene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Acenaphthylene	n/a	=	21.7	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Acenaphthylene	n/a	=	87	%	EPA 625	-88	-88	33	145	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Acenaphthylene	n/a	=	21.5	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Acenaphthylene	n/a	=	86	%	EPA 625	-88	-88	33	145	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Acenaphthylene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Acenaphthylene	n/a	=	19.5	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	145	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Acenaphthylene	n/a	=	19.6	µg/L	EPA 625	0.4	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Acenaphthylene	n/a	=	79	%	EPA 625	-88	-88	33	145	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Acenaphthylene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Acenaphthylene	n/a	=	6.07	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Acenaphthylene	n/a	=	61	%	EPA 8270C	-88	-88	4	135	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Acenaphthylene	n/a	=	6.5	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Acenaphthylene	n/a	=	65	%	EPA 8270C	-88	-88	4	135	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Acenaphthylene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Anthracene	n/a	=	20.5	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Anthracene	n/a	=	82	%	EPA 625	-88	-88	27	133	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Anthracene	n/a	=	18.5	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Anthracene	n/a	=	74	%	EPA 625	-88	-88	27	133	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Anthracene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Anthracene	n/a	=	8.28	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Anthracene	n/a	=	83	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Anthracene	n/a	=	8.49	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Anthracene	n/a	=	85	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/24/2017	Organic	Anthracene	n/a	=	7.5	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Anthracene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Anthracene	n/a	=	7.97	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Anthracene	n/a	=	80	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Anthracene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Anthracene	n/a	=	20.5	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Anthracene	n/a	=	82	%	EPA 625	-88	-88	27	133	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Anthracene	n/a	=	21.1	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Anthracene	n/a	=	84	%	EPA 625	-88	-88	27	133	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Anthracene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Anthracene	n/a	=	19.5	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Anthracene	n/a	=	78	%	EPA 625	-88	-88	27	133	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Anthracene	n/a	=	20.4	µg/L	EPA 625	0.34	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Anthracene	n/a	=	82	%	EPA 625	-88	-88	27	133	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Anthracene	n/a	=	6.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Anthracene	n/a	=	67	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Anthracene	n/a	=	7.02	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Anthracene	n/a	=	70	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Anthracene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Benz(a)anthracene	n/a	=	19.6	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 625	-88	-88	33	143	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Benz(a)anthracene	n/a	=	18	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Benz(a)anthracene	n/a	=	72	%	EPA 625	-88	-88	33	143	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Benz(a)anthracene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Benz(a)anthracene	n/a	=	8.87	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Benz(a)anthracene	n/a	=	89	%	EPA 8270C	-88	-88	17	131	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Benz(a)anthracene	n/a	=	8.93	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Benz(a)anthracene	n/a	=	89	%	EPA 8270C	-88	-88	17	131	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Benz(a)anthracene	n/a	=	0.6	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Benz(a)anthracene	n/a	=	8.82	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Benz(a)anthracene	n/a	=	88	%	EPA 8270C	-88	-88	17	131	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Benz(a)anthracene	n/a	=	8.66	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 8270C	-88	-88	17	131	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Benz(a)anthracene	n/a	=	19.6	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Benz(a)anthracene	n/a	=	78	%	EPA 625	-88	-88	33	143	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Benz(a)anthracene	n/a	=	20.1	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Benz(a)anthracene	n/a	=	80	%	EPA 625	-88	-88	33	143	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/31/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Benz(a)anthracene	n/a	=	19.4	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Benz(a)anthracene	n/a	=	77	%	EPA 625	-88	-88	33	143	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Benz(a)anthracene	n/a	=	19.8	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 625	-88	-88	33	143	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Benz(a)anthracene	n/a	=	8.53	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Benz(a)anthracene	n/a	=	85	%	EPA 8270C	-88	-88	17	131	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Benz(a)anthracene	n/a	=	8.27	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Benz(a)anthracene	n/a	=	83	%	EPA 8270C	-88	-88	17	131	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Benz(a)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2016/17-6	Lab	method blank	5/26/2017	Organic	Benzidine	n/a	<	0.7	µg/L	EPA 625	0.7	5			
2016/17-6	Lab	method blank	5/31/2017	Organic	Benzidine	n/a	<	0.7	µg/L	EPA 625	0.7	5			
2016/17-6	Lab	method blank	5/5/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS	5/5/2017	Organic	Benzo(a)pyrene	n/a	=	4.56	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 525.2	-88	-88	40	147	
2016/17-6	Lab	LCS dup	5/5/2017	Organic	Benzo(a)pyrene	n/a	=	4.6	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 525.2	-88	-88	40	147	
2016/17-6	Lab	LCS, RPD	5/5/2017	Organic	Benzo(a)pyrene	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Benzo(a)pyrene	n/a	=	22.5	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Benzo(a)pyrene	n/a	=	90	%	EPA 625	-88	-88	17	163	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Benzo(a)pyrene	n/a	=	20.3	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Benzo(a)pyrene	n/a	=	81	%	EPA 625	-88	-88	17	163	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Benzo(a)pyrene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Benzo(a)pyrene	n/a	=	8.43	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 8270C	-88	-88	12	131	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Benzo(a)pyrene	n/a	=	8.4	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 8270C	-88	-88	12	131	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Benzo(a)pyrene	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	9.15	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	131	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	8.86	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 8270C	-88	-88	12	131	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	4.88	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 525.2	-88	-88	40	147	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	4.87	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	40	147	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Benzo(a)pyrene	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Benzo(a)pyrene	n/a	=	22.1	µg/L	EPA 625	0.13	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Benzo(a)pyrene	n/a	=	88	%	EPA 625	-88	-88	17	163	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Benzo(a)pyrene	n/a	=	22.8	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 625	-88	-88	17	163	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Benzo(a)pyrene	n/a	=	23.3	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 625	-88	-88	17	163	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Benzo(a)pyrene	n/a	=	23.9	µg/L	EPA 625	0.13	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 625	-88	-88	17	163	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Benzo(a)pyrene	n/a	=	9.58	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 8270C	-88	-88	12	131	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Benzo(a)pyrene	n/a	=	9.23	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	131	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS	6/15/2017	Organic	Benzo(a)pyrene	n/a	=	4.87	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	40	147	
2016/17-6	Lab	LCS dup	6/15/2017	Organic	Benzo(a)pyrene	n/a	=	4.99	µg/L	EPA 525.2	0.07	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Organic	Benzo(a)pyrene	n/a	=	100	%	EPA 525.2	-88	-88	40	147	
2016/17-6	Lab	LCS, RPD	6/15/2017	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	88	%	EPA 625	-88	-88	24	159	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	19.2	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	77	%	EPA 625	-88	-88	24	159	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Benzo(b)fluoranthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Benzo(b)fluoranthene	n/a	=	8.41	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	19	129	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Benzo(b)fluoranthene	n/a	=	8.46	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Benzo(b)fluoranthene	n/a	=	85	%	EPA 8270C	-88	-88	19	129	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Benzo(b)fluoranthene	n/a	=	0.5	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	8.97	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	19	129	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	9.03	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	19	129	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Benzo(b)fluoranthene	n/a	=	0.7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Benzo(b)fluoranthene	n/a	=	23.5	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Benzo(b)fluoranthene	n/a	=	94	%	EPA 625	-88	-88	24	159	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Benzo(b)fluoranthene	n/a	=	24.7	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Benzo(b)fluoranthene	n/a	=	99	%	EPA 625	-88	-88	24	159	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/31/2017	Organic	Benzo(b)fluoranthene	n/a	=	25.5	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Benzo(b)fluoranthene	n/a	=	102	%	EPA 625	-88	-88	24	159	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Benzo(b)fluoranthene	n/a	=	26.3	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Benzo(b)fluoranthene	n/a	=	105	%	EPA 625	-88	-88	24	159	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Benzo(b)fluoranthene	n/a	=	9.22	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Benzo(b)fluoranthene	n/a	=	92	%	EPA 8270C	-88	-88	19	129	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Benzo(b)fluoranthene	n/a	=	8.97	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	19	129	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS	5/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	20.9	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	84	%	EPA 625	-88	-88	0.1	219	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	19.3	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	77	%	EPA 625	-88	-88	0.1	219	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8.14	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Benzo(g,h,i)perylene	n/a	=	81	%	EPA 8270C	-88	-88	14	139	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8.08	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Benzo(g,h,i)perylene	n/a	=	81	%	EPA 8270C	-88	-88	14	139	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Benzo(g,h,i)perylene	n/a	=	0.7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8.83	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 8270C	-88	-88	14	139	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	8.49	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	85	%	EPA 8270C	-88	-88	14	139	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS	5/26/2017	Organic	Benzo(g,h,i)perylene	n/a	=	20.6	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Benzo(g,h,i)perylene	n/a	=	83	%	EPA 625	-88	-88	0.1	219	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21.4	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Benzo(g,h,i)perylene	n/a	=	86	%	EPA 625	-88	-88	0.1	219	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS	5/31/2017	Organic	Benzo(g,h,i)perylene	n/a	=	22.5	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Benzo(g,h,i)perylene	n/a	=	90	%	EPA 625	-88	-88	0.1	219	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Benzo(g,h,i)perylene	n/a	=	23.1	µg/L	EPA 625	0.1	2			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Benzo(g,h,i)perylene	n/a	=	92	%	EPA 625	-88	-88	0.1	219	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Benzo(g,h,i)perylene	n/a	=	10.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Benzo(g,h,i)perylene	n/a	=	107	%	EPA 8270C	-88	-88	14	139	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Benzo(g,h,i)perylene	n/a	=	10.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Benzo(g,h,i)perylene	n/a	=	101	%	EPA 8270C	-88	-88	14	139	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Benzo(g,h,i)perylene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/13/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	23.7	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	95	%	EPA 625	-88	-88	11	162	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	21.1	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	11	162	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Benzo(k)fluoranthene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Benzo(k)fluoranthene	n/a	=	9.19	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Benzo(k)fluoranthene	n/a	=	92	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Benzo(k)fluoranthene	n/a	=	9.26	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Benzo(k)fluoranthene	n/a	=	93	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Benzo(k)fluoranthene	n/a	=	0.8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	8.7	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	87	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	8.42	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Benzo(k)fluoranthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Benzo(k)fluoranthene	n/a	=	24.6	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Benzo(k)fluoranthene	n/a	=	98	%	EPA 625	-88	-88	11	162	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Benzo(k)fluoranthene	n/a	=	22.7	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Benzo(k)fluoranthene	n/a	=	91	%	EPA 625	-88	-88	11	162	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Benzo(k)fluoranthene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Benzo(k)fluoranthene	n/a	=	21.4	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Benzo(k)fluoranthene	n/a	=	86	%	EPA 625	-88	-88	11	162	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Benzo(k)fluoranthene	n/a	=	22.7	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Benzo(k)fluoranthene	n/a	=	91	%	EPA 625	-88	-88	11	162	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Benzo(k)fluoranthene	n/a	=	9.21	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Benzo(k)fluoranthene	n/a	=	92	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Benzo(k)fluoranthene	n/a	=	8.79	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 8270C	-88	-88	22	127	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Benzo(k)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.4	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	74	%	EPA 625	-88	-88	33	184	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.2	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	69	%	EPA 625	-88	-88	33	184	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.2	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	85	%	EPA 625	-88	-88	33	184	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.1	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	84	%	EPA 625	-88	-88	33	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	18	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	72	%	EPA 625	-88	-88	33	184	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.6	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	74	%	EPA 625	-88	-88	33	184	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	16.2	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	65	%	EPA 625	-88	-88	12	158	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	19.8	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	79	%	EPA 625	-88	-88	12	158	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	18.8	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625	-88	-88	12	158	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	16.6	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	67	%	EPA 625	-88	-88	12	158	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	17.2	µg/L	EPA 625	0.27	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	69	%	EPA 625	-88	-88	12	158	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.5	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	78	%	EPA 625	-88	-88	36	166	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.7	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	71	%	EPA 625	-88	-88	36	166	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.3	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	85	%	EPA 625	-88	-88	36	166	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	80	%	EPA 625	-88	-88	36	166	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.4	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	73	%	EPA 625	-88	-88	36	166	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.6	µg/L	EPA 625	0.38	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS	5/5/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.98	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS, rec	5/5/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	100	%	EPA 525.2	-88	-88	71	158	
2016/17-6	Lab	LCS dup	5/5/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.06	µg/L	EPA 525.2	0.1	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	5/5/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	101	%	EPA 525.2	-88	-88	71	158	
2016/17-6	Lab	LCS, RPD	5/5/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS	5/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.98	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	100	%	EPA 525.2	-88	-88	71	158	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.14	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	103	%	EPA 525.2	-88	-88	71	158	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS	6/15/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.22	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS, rec	6/15/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	104	%	EPA 525.2	-88	-88	71	158	
2016/17-6	Lab	LCS dup	6/15/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.23	µg/L	EPA 525.2	0.1	5			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	105	%	EPA 525.2	-88	-88	71	158	
2016/17-6	Lab	LCS, RPD	6/15/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS	5/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.28	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS, rec	5/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	106	%	EPA 525.2	-88	-88	68	154	
2016/17-6	Lab	LCS dup	5/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.31	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	106	%	EPA 525.2	-88	-88	68	154	
2016/17-6	Lab	LCS, RPD	5/5/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2016/17-6	Lab	LCS	5/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.3	µg/L	EPA 625	2.3	5			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	89	%	EPA 625	-88	-88	8	158	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	20.3	µg/L	EPA 625	2.3	5			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	81	%	EPA 625	-88	-88	8	158	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS	5/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.41	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 525.2	-88	-88	68	154	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.51	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	110	%	EPA 525.2	-88	-88	68	154	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.96	µg/L	EPA 625	0.96	4			
2016/17-6	Lab	LCS	5/26/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.8	µg/L	EPA 625	0.96	4			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	91	%	EPA 625	-88	-88	8	158	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.6	µg/L	EPA 625	0.96	4			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	95	%	EPA 625	-88	-88	8	158	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.93	µg/L	EPA 625	0.96	4			IP
2016/17-6	Lab	LCS	5/31/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.1	µg/L	EPA 625	0.96	4			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	96	%	EPA 625	-88	-88	8	158	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26.6	µg/L	EPA 625	0.96	4			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	106	%	EPA 625	-88	-88	8	158	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS	6/15/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.54	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS, rec	6/15/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	111	%	EPA 525.2	-88	-88	68	154	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup	6/15/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.58	µg/L	EPA 525.2	1.1	3			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	112	%	EPA 525.2	-88	-88	68	154	
2016/17-6	Lab	LCS, RPD	6/15/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.346	µg/L	EPA 625	0.18	1			IP
2016/17-6	Lab	LCS	5/13/2017	Organic	Butyl benzyl phthalate	n/a	=	21.7	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Butyl benzyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Butyl benzyl phthalate	n/a	=	19.8	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Butyl benzyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Butyl benzyl phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.283	µg/L	EPA 625	0.18	1			IP
2016/17-6	Lab	LCS	5/26/2017	Organic	Butyl benzyl phthalate	n/a	=	22.8	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Butyl benzyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Butyl benzyl phthalate	n/a	=	23.3	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Butyl benzyl phthalate	n/a	=	93	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Butyl benzyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.285	µg/L	EPA 625	0.18	1			IP
2016/17-6	Lab	LCS	5/31/2017	Organic	Butyl benzyl phthalate	n/a	=	23.6	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Butyl benzyl phthalate	n/a	=	95	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Butyl benzyl phthalate	n/a	=	24.3	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Butyl benzyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Butyl benzyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Chrysene	n/a	=	22.7	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Chrysene	n/a	=	91	%	EPA 625	-88	-88	17	168	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Chrysene	n/a	=	20.6	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Chrysene	n/a	=	83	%	EPA 625	-88	-88	17	168	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Chrysene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Chrysene	n/a	=	8.97	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Chrysene	n/a	=	90	%	EPA 8270C	-88	-88	32	126	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Chrysene	n/a	=	9.08	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Chrysene	n/a	=	91	%	EPA 8270C	-88	-88	32	126	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Chrysene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Chrysene	n/a	=	8.52	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Chrysene	n/a	=	85	%	EPA 8270C	-88	-88	32	126	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Chrysene	n/a	=	8.36	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Chrysene	n/a	=	84	%	EPA 8270C	-88	-88	32	126	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Chrysene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Chrysene	n/a	=	22.9	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Chrysene	n/a	=	91	%	EPA 625	-88	-88	17	168	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Chrysene	n/a	=	23.3	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Chrysene	n/a	=	93	%	EPA 625	-88	-88	17	168	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Chrysene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Chrysene	n/a	=	22.7	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Chrysene	n/a	=	91	%	EPA 625	-88	-88	17	168	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Chrysene	n/a	=	23.5	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Chrysene	n/a	=	94	%	EPA 625	-88	-88	17	168	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Chrysene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Chrysene	n/a	=	7.82	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Chrysene	n/a	=	78	%	EPA 8270C	-88	-88	32	126	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Chrysene	n/a	=	7.52	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Chrysene	n/a	=	75	%	EPA 8270C	-88	-88	32	126	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Chrysene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS	5/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	22.2	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	89	%	EPA 625	-88	-88	0.1	227	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	20.3	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	81	%	EPA 625	-88	-88	0.1	227	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Dibenz(a,h)anthracene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Dibenz(a,h)anthracene	n/a	=	8.8	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Dibenz(a,h)anthracene	n/a	=	88	%	EPA 8270C	-88	-88	9	147	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Dibenz(a,h)anthracene	n/a	=	8.75	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Dibenz(a,h)anthracene	n/a	=	87	%	EPA 8270C	-88	-88	9	147	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Dibenz(a,h)anthracene	n/a	=	0.6	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	9.38	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	94	%	EPA 8270C	-88	-88	9	147	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	9.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 8270C	-88	-88	9	147	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS	5/26/2017	Organic	Dibenz(a,h)anthracene	n/a	=	22.1	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Dibenz(a,h)anthracene	n/a	=	88	%	EPA 625	-88	-88	0.1	227	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Dibenz(a,h)anthracene	n/a	=	23.5	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Dibenz(a,h)anthracene	n/a	=	94	%	EPA 625	-88	-88	0.1	227	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Dibenz(a,h)anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS	5/31/2017	Organic	Dibenz(a,h)anthracene	n/a	=	23.6	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Dibenz(a,h)anthracene	n/a	=	95	%	EPA 625	-88	-88	0.1	227	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Dibenz(a,h)anthracene	n/a	=	24.6	µg/L	EPA 625	0.08	2			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Dibenz(a,h)anthracene	n/a	=	98	%	EPA 625	-88	-88	0.1	227	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Dibenz(a,h)anthracene	n/a	=	10.8	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Dibenz(a,h)anthracene	n/a	=	108	%	EPA 8270C	-88	-88	9	147	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Dibenz(a,h)anthracene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Dibenz(a,h)anthracene	n/a	=	103	%	EPA 8270C	-88	-88	9	147	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/13/2017	Organic	Diethyl phthalate	n/a	=	19.4	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Diethyl phthalate	n/a	=	77	%	EPA 625	-88	-88	0.1	114	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Diethyl phthalate	n/a	=	17.4	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Diethyl phthalate	n/a	=	70	%	EPA 625	-88	-88	0.1	114	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Diethyl phthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Diethyl phthalate	n/a	=	20.8	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Diethyl phthalate	n/a	=	20.8	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Diethyl phthalate	n/a	=	0.009	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Diethyl phthalate	n/a	=	18.9	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Diethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	114	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Diethyl phthalate	n/a	=	19.6	µg/L	EPA 625	0.15	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Diethyl phthalate	n/a	=	78	%	EPA 625	-88	-88	0.1	114	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Diethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Dimethyl phthalate	n/a	=	19.6	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Dimethyl phthalate	n/a	=	78	%	EPA 625	-88	-88	0.1	112	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Dimethyl phthalate	n/a	=	17.7	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Dimethyl phthalate	n/a	=	71	%	EPA 625	-88	-88	0.1	112	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Dimethyl phthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Dimethyl phthalate	n/a	=	21.4	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Dimethyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	112	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Dimethyl phthalate	n/a	=	21.7	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Dimethyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	112	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Dimethyl phthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Dimethyl phthalate	n/a	=	19.6	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Dimethyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	112	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Dimethyl phthalate	n/a	=	20.2	µg/L	EPA 625	0.18	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Dimethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	112	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Dimethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Di-n-butylphthalate	n/a	=	22.2	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Di-n-butylphthalate	n/a	=	89	%	EPA 625	-88	-88	1	118	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Di-n-butylphthalate	n/a	=	19.8	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Di-n-butylphthalate	n/a	=	79	%	EPA 625	-88	-88	1	118	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Di-n-butylphthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Di-n-butylphthalate	n/a	=	21.6	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Di-n-butylphthalate	n/a	=	86	%	EPA 625	-88	-88	1	118	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Di-n-butylphthalate	n/a	=	21.6	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Di-n-butylphthalate	n/a	=	86	%	EPA 625	-88	-88	1	118	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Di-n-butylphthalate	n/a	=	0.08	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/31/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Di-n-butylphthalate	n/a	=	22.5	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Di-n-butylphthalate	n/a	=	90	%	EPA 625	-88	-88	1	118	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Di-n-butylphthalate	n/a	=	22.6	µg/L	EPA 625	0.24	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Di-n-butylphthalate	n/a	=	90	%	EPA 625	-88	-88	1	118	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Di-n-butylphthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Di-n-octylphthalate	n/a	=	22.3	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Di-n-octylphthalate	n/a	=	89	%	EPA 625	-88	-88	4	146	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Di-n-octylphthalate	n/a	=	20.2	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Di-n-octylphthalate	n/a	=	81	%	EPA 625	-88	-88	4	146	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Di-n-octylphthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Di-n-octylphthalate	n/a	=	24.1	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Di-n-octylphthalate	n/a	=	97	%	EPA 625	-88	-88	4	146	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Di-n-octylphthalate	n/a	=	24.5	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Di-n-octylphthalate	n/a	=	98	%	EPA 625	-88	-88	4	146	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Di-n-octylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Di-n-octylphthalate	n/a	=	25.3	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Di-n-octylphthalate	n/a	=	101	%	EPA 625	-88	-88	4	146	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Di-n-octylphthalate	n/a	=	26	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Di-n-octylphthalate	n/a	=	104	%	EPA 625	-88	-88	4	146	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Di-n-octylphthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Fluoranthene	n/a	=	21	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Fluoranthene	n/a	=	84	%	EPA 625	-88	-88	26	137	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Fluoranthene	n/a	=	19	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Fluoranthene	n/a	=	76	%	EPA 625	-88	-88	26	137	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Fluoranthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Fluoranthene	n/a	=	8.79	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Fluoranthene	n/a	=	88	%	EPA 8270C	-88	-88	22	131	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Fluoranthene	n/a	=	8.94	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	22	131	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Fluoranthene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Fluoranthene	n/a	=	8.64	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Fluoranthene	n/a	=	86	%	EPA 8270C	-88	-88	22	131	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Fluoranthene	n/a	=	8.58	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Fluoranthene	n/a	=	86	%	EPA 8270C	-88	-88	22	131	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Fluoranthene	n/a	=	0.7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Fluoranthene	n/a	=	21.3	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Fluoranthene	n/a	=	85	%	EPA 625	-88	-88	26	137	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Fluoranthene	n/a	=	22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Fluoranthene	n/a	=	88	%	EPA 625	-88	-88	26	137	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Fluoranthene	n/a	=	20.9	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Fluoranthene	n/a	=	84	%	EPA 625	-88	-88	26	137	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Fluoranthene	n/a	=	88	%	EPA 625	-88	-88	26	137	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Fluoranthene	n/a	=	7.9	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Fluoranthene	n/a	=	79	%	EPA 8270C	-88	-88	22	131	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Fluoranthene	n/a	=	7.74	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Fluoranthene	n/a	=	77	%	EPA 8270C	-88	-88	22	131	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Fluoranthene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Fluorene	n/a	=	19.4	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Fluorene	n/a	=	17.5	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Fluorene	n/a	=	70	%	EPA 625	-88	-88	59	121	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Fluorene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Fluorene	n/a	=	7.54	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Fluorene	n/a	=	75	%	EPA 8270C	-88	-88	19	122	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Fluorene	n/a	=	8.16	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Fluorene	n/a	=	82	%	EPA 8270C	-88	-88	19	122	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Fluorene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Fluorene	n/a	=	6.49	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Fluorene	n/a	=	65	%	EPA 8270C	-88	-88	19	122	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Fluorene	n/a	=	7.37	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Fluorene	n/a	=	74	%	EPA 8270C	-88	-88	19	122	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Fluorene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Fluorene	n/a	=	21	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Fluorene	n/a	=	84	%	EPA 625	-88	-88	59	121	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Fluorene	n/a	=	20.7	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Fluorene	n/a	=	83	%	EPA 625	-88	-88	59	121	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Fluorene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Fluorene	n/a	=	18.4	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Fluorene	n/a	=	74	%	EPA 625	-88	-88	59	121	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Fluorene	n/a	=	18.3	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Fluorene	n/a	=	73	%	EPA 625	-88	-88	59	121	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Fluorene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Fluorene	n/a	=	6.27	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Fluorene	n/a	=	63	%	EPA 8270C	-88	-88	19	122	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Fluorene	n/a	=	6.68	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Fluorene	n/a	=	67	%	EPA 8270C	-88	-88	19	122	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Fluorene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Hexachlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.49	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Hexachlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Hexachlorobenzene	n/a	=	15.3	µg/L	EPA 625	0.49	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Hexachlorobenzene	n/a	=	61	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Hexachlorobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Hexachlorobenzene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Hexachlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Hexachlorobenzene	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Hexachlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Hexachlorobenzene	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Hexachlorobenzene	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Hexachlorobenzene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Hexachlorobenzene	n/a	=	16.6	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Hexachlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Hexachlorobenzene	n/a	=	17.3	µg/L	EPA 625	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Hexachlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	152	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Hexachlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Hexachlorobutadiene	n/a	=	17.3	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Hexachlorobutadiene	n/a	=	69	%	EPA 625	-88	-88	24	116	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Hexachlorobutadiene	n/a	=	16.1	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Hexachlorobutadiene	n/a	=	64	%	EPA 625	-88	-88	24	116	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Hexachlorobutadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Hexachlorobutadiene	n/a	=	18.7	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Hexachlorobutadiene	n/a	=	75	%	EPA 625	-88	-88	24	116	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Hexachlorobutadiene	n/a	=	17.9	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Hexachlorobutadiene	n/a	=	72	%	EPA 625	-88	-88	24	116	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Hexachlorobutadiene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Hexachlorobutadiene	n/a	=	16.3	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Hexachlorobutadiene	n/a	=	65	%	EPA 625	-88	-88	24	116	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Hexachlorobutadiene	n/a	=	16.3	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Hexachlorobutadiene	n/a	=	65	%	EPA 625	-88	-88	24	116	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Hexachlorobutadiene	n/a	=	0.08	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS	5/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9.4	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	38	%	EPA 625	-88	-88	0.1	81	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	8.96	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	36	%	EPA 625	-88	-88	0.1	81	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Hexachlorocyclopentadiene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS	5/26/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9.48	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Hexachlorocyclopentadiene	n/a	=	38	%	EPA 625	-88	-88	0.1	81	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9.27	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Hexachlorocyclopentadiene	n/a	=	37	%	EPA 625	-88	-88	0.1	81	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Hexachlorocyclopentadiene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS	5/31/2017	Organic	Hexachlorocyclopentadiene	n/a	=	8.71	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Hexachlorocyclopentadiene	n/a	=	35	%	EPA 625	-88	-88	0.1	81	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9.5	µg/L	EPA 625	1.5	5			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Hexachlorocyclopentadiene	n/a	=	38	%	EPA 625	-88	-88	0.1	81	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Hexachloroethane	n/a	=	17.1	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Hexachloroethane	n/a	=	15.7	µg/L	EPA 625	0.52	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Hexachloroethane	n/a	=	63	%	EPA 625	-88	-88	40	113	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Hexachloroethane	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Hexachloroethane	n/a	<	0.51	µg/L	EPA 625	0.51	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Hexachloroethane	n/a	=	19.1	µg/L	EPA 625	0.51	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Hexachloroethane	n/a	=	77	%	EPA 625	-88	-88	40	113	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Hexachloroethane	n/a	=	17.3	µg/L	EPA 625	0.51	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Hexachloroethane	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Hexachloroethane	n/a	<	0.51	µg/L	EPA 625	0.51	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Hexachloroethane	n/a	=	16.2	µg/L	EPA 625	0.51	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Hexachloroethane	n/a	=	65	%	EPA 625	-88	-88	40	113	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Hexachloroethane	n/a	=	16.2	µg/L	EPA 625	0.51	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Hexachloroethane	n/a	=	65	%	EPA 625	-88	-88	40	113	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Hexachloroethane	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS	5/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.7	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	83	%	EPA 625	-88	-88	0.1	171	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.9	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	84	%	EPA 625	-88	-88	0.1	171	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.16	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	82	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.08	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	81	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.81	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	88	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.71	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS	5/26/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21.9	µg/L	EPA 625	0.12	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	88	%	EPA 625	-88	-88	0.1	171	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.9	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	96	%	EPA 625	-88	-88	0.1	171	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS	5/31/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	24.7	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	99	%	EPA 625	-88	-88	0.1	171	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.4	µg/L	EPA 625	0.12	2			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	102	%	EPA 625	-88	-88	0.1	171	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.69	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	97	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.13	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	91	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Isophorone	n/a	=	19.5	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Isophorone	n/a	=	78	%	EPA 625	-88	-88	21	196	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Isophorone	n/a	=	18.4	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Isophorone	n/a	=	74	%	EPA 625	-88	-88	21	196	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Isophorone	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Isophorone	n/a	=	21.6	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Isophorone	n/a	=	86	%	EPA 625	-88	-88	21	196	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Isophorone	n/a	=	22.2	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Isophorone	n/a	=	89	%	EPA 625	-88	-88	21	196	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Isophorone	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Isophorone	n/a	=	19	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Isophorone	n/a	=	76	%	EPA 625	-88	-88	21	196	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Isophorone	n/a	=	19.8	µg/L	EPA 625	0.21	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Isophorone	n/a	=	79	%	EPA 625	-88	-88	21	196	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Isophorone	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	LCS	5/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	56.6	µg/L	EPA 624	0.25	1			
2016/17-6	Lab	LCS, rec	5/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	113	%	EPA 624	-88	-88	80	128	
2016/17-6	Lab	LCS dup	5/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	61.2	µg/L	EPA 624	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	122	%	EPA 624	-88	-88	80	128	
2016/17-6	Lab	LCS, RPD	5/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	8	%	EPA 624	-88	-88	0	25	
2016/17-6	Lab	method blank	5/9/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	51.5	µg/L	EPA 624	0.25	1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	103	%	EPA 624	-88	-88	80	128	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	50.1	µg/L	EPA 624	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	100	%	EPA 624	-88	-88	80	128	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	3	%	EPA 624	-88	-88	0	25	
2016/17-6	Lab	method blank	5/24/2017	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2016/17-6	Lab	method blank	5/13/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/13/2017	Organic	Naphthalene	n/a	=	18	µg/L	EPA 625	0.49	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Naphthalene	n/a	=	72	%	EPA 625	-88	-88	21	133	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Naphthalene	n/a	=	16.9	µg/L	EPA 625	0.49	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Naphthalene	n/a	=	68	%	EPA 625	-88	-88	21	133	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Naphthalene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Naphthalene	n/a	=	6.81	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Naphthalene	n/a	=	68	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Naphthalene	n/a	=	7.64	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Naphthalene	n/a	=	76	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Naphthalene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Naphthalene	n/a	=	6.11	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Naphthalene	n/a	=	61	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Naphthalene	n/a	=	6.61	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Naphthalene	n/a	=	66	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Naphthalene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Naphthalene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Naphthalene	n/a	=	19.6	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Naphthalene	n/a	=	78	%	EPA 625	-88	-88	21	133	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Naphthalene	n/a	=	18.7	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Naphthalene	n/a	=	75	%	EPA 625	-88	-88	21	133	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Naphthalene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Naphthalene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Naphthalene	n/a	=	17.6	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Naphthalene	n/a	=	17.2	µg/L	EPA 625	0.47	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Naphthalene	n/a	=	69	%	EPA 625	-88	-88	21	133	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Naphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Naphthalene	n/a	=	5.98	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Naphthalene	n/a	=	60	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Naphthalene	n/a	=	6.11	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Naphthalene	n/a	=	61	%	EPA 8270C	-88	-88	12	136	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Naphthalene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Nitrobenzene	n/a	=	16.2	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Nitrobenzene	n/a	=	65	%	EPA 625	-88	-88	35	180	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Nitrobenzene	n/a	=	15.6	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Nitrobenzene	n/a	=	62	%	EPA 625	-88	-88	35	180	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Nitrobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Nitrobenzene	n/a	=	20.5	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Nitrobenzene	n/a	=	82	%	EPA 625	-88	-88	35	180	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Nitrobenzene	n/a	=	19.6	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Nitrobenzene	n/a	=	79	%	EPA 625	-88	-88	35	180	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Nitrobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/31/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Nitrobenzene	n/a	=	17.1	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Nitrobenzene	n/a	=	68	%	EPA 625	-88	-88	35	180	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Nitrobenzene	n/a	=	18.3	µg/L	EPA 625	0.36	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Nitrobenzene	n/a	=	73	%	EPA 625	-88	-88	35	180	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Nitrobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	srgt method blank	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt LCS	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt LCS dup	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt method blank	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	2.15	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt method blank, rec	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	43	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt LCS	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	2.21	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt LCS, rec	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	44	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt LCS dup	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	2.49	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt LCS dup, rec	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	50	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	2.41	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	2.39	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	2.71	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2016/17-6	Lab	srgt method blank	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt LCS	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt LCS dup	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt method blank	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt LCS	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt LCS dup	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 625	-88	-88	27	111	
2016/17-6	Lab	srgt method blank	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	2.34	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt method blank, rec	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	47	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt LCS	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	2.29	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt LCS, rec	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	46	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	srgt LCS dup	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	2.38	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	ME-CC	srgt environ	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	2.66	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 8270C	-88	-88	51	143	
2016/17-6	ME-CC	srgt environ	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2016/17-6	ME-SCR	srgt environ	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-SCR	srgt environ, rec	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2016/17-6	ME-SCR	srgt environ	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	2.54	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 8270C	-88	-88	51	143	
2016/17-6	ME-VR2	srgt environ	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2016/17-6	ME-VR2	srgt environ	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	2.55	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 8270C	-88	-88	51	143	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	1.92	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	38	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	MO-CAM	srgt environ	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-FIL	srgt environ	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	2.47	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-FIL	srgt environ, rec	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	MO-HUE	srgt environ	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-HUE	srgt environ	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	2.51	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-HUE	srgt environ, rec	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	50	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	1.82	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	36	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	MO-MPK	srgt environ	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	12.2	µg/L	EPA 625	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	13.2	µg/L	EPA 625	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-OJA	srgt environ	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	2.11	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-OJA	srgt environ, rec	6/2/2017	Organic	Nitrobenzene-d5	n/a	=	42	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	2.77	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	
2016/17-6	MO-SIM	srgt environ	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	2.41	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	MO-THO	srgt environ	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/26/2017	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	12.7	µg/L	EPA 625	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 625	-88	-88	27	111	
2016/17-6	MO-VEN	srgt environ	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	2.39	µg/L	EPA 8270C	-88	-88			GN
2016/17-6	MO-VEN	srgt environ, rec	5/17/2017	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2016/17-6	Lab	method blank	5/13/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	11.2	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	45	%	EPA 625	-88	-88	28	75	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	9.75	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	39	%	EPA 625	-88	-88	28	75	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	N-Nitrosodimethylamine	n/a	=	14	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	N-Nitrosodimethylamine	n/a	=	13.6	µg/L	EPA 625	0.14	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625	-88	-88	28	75	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	N-Nitrosodimethylamine	n/a	=	13.7	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	N-Nitrosodimethylamine	n/a	=	55	%	EPA 625	-88	-88	28	75	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	N-Nitrosodimethylamine	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	N-Nitrosodimethylamine	n/a	=	11.2	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	N-Nitrosodimethylamine	n/a	=	45	%	EPA 625	-88	-88	28	75	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	N-Nitrosodimethylamine	n/a	=	12.1	µg/L	EPA 625	0.14	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625	-88	-88	28	75	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	N-Nitrosodimethylamine	n/a	=	8	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	9.37	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	37	%	EPA 625	-88	-88	0.1	230	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	9.29	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	37	%	EPA 625	-88	-88	0.1	230	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	7.58	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	30	%	EPA 625	-88	-88	0.1	230	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	10.1	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	40	%	EPA 625	-88	-88	0.1	230	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	28	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	8.76	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	35	%	EPA 625	-88	-88	0.1	230	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	8.32	µg/L	EPA 625	0.26	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	33	%	EPA 625	-88	-88	0.1	230	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.2	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	69	%	EPA 625	-88	-88	42	90	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	15.8	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	63	%	EPA 625	-88	-88	42	90	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	N-Nitrosodiphenylamine	n/a	=	9	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	N-Nitrosodiphenylamine	n/a	=	18.5	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	N-Nitrosodiphenylamine	n/a	=	74	%	EPA 625	-88	-88	42	90	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	N-Nitrosodiphenylamine	n/a	=	18.6	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	N-Nitrosodiphenylamine	n/a	=	75	%	EPA 625	-88	-88	42	90	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	N-Nitrosodiphenylamine	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.3	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	N-Nitrosodiphenylamine	n/a	=	69	%	EPA 625	-88	-88	42	90	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.8	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625	-88	-88	42	90	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	N-Nitrosodiphenylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	srgt method blank	5/5/2017	Organic	Perylene-d12	n/a	=	3.97	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt method blank, rec	5/5/2017	Organic	Perylene-d12	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS	5/5/2017	Organic	Perylene-d12	n/a	=	4.49	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/5/2017	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS dup	5/5/2017	Organic	Perylene-d12	n/a	=	4.56	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/5/2017	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt method blank	5/10/2017	Organic	Perylene-d12	n/a	=	4.11	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/10/2017	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS	5/10/2017	Organic	Perylene-d12	n/a	=	4.28	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/10/2017	Organic	Perylene-d12	n/a	=	86	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS dup	5/10/2017	Organic	Perylene-d12	n/a	=	4.31	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/10/2017	Organic	Perylene-d12	n/a	=	86	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	Perylene-d12	n/a	=	4.52	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	Perylene-d12	n/a	=	4.77	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	Perylene-d12	n/a	=	4.79	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt method blank	5/25/2017	Organic	Perylene-d12	n/a	=	4.51	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/25/2017	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS	5/25/2017	Organic	Perylene-d12	n/a	=	4.73	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/25/2017	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS dup	5/25/2017	Organic	Perylene-d12	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/25/2017	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt method blank	6/15/2017	Organic	Perylene-d12	n/a	=	4.37	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/15/2017	Organic	Perylene-d12	n/a	=	87	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS	6/15/2017	Organic	Perylene-d12	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/15/2017	Organic	Perylene-d12	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	srgt LCS dup	6/15/2017	Organic	Perylene-d12	n/a	=	5.11	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/15/2017	Organic	Perylene-d12	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2016/17-6	ME-CC	srgt environ	6/15/2017	Organic	Perylene-d12	n/a	=	3.88	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	6/15/2017	Organic	Perylene-d12	n/a	=	78	%	EPA 525.2	-88	-88	50	120	
2016/17-6	ME-SCR	srgt environ	5/5/2017	Organic	Perylene-d12	n/a	=	4.65	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/5/2017	Organic	Perylene-d12	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2016/17-6	ME-VR2	srgt environ	5/24/2017	Organic	Perylene-d12	n/a	=	4.55	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/24/2017	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2016/17-6	MO-CAM	srgt environ	6/15/2017	Organic	Perylene-d12	n/a	=	3.12	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	6/15/2017	Organic	Perylene-d12	n/a	=	62	%	EPA 525.2	-88	-88	50	120	
2016/17-6	MO-FIL	srgt environ	5/5/2017	Organic	Perylene-d12	n/a	=	4.75	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/5/2017	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2016/17-6	MO-HUE	srgt environ	5/24/2017	Organic	Perylene-d12	n/a	=	2.01	µg/L	EPA 525.2	-88	-88			GN
2016/17-6	MO-HUE	srgt environ, rec	5/24/2017	Organic	Perylene-d12	n/a	=	40	%	EPA 525.2	-88	-88	50	120	GN
2016/17-6	MO-MPK	srgt environ	6/15/2017	Organic	Perylene-d12	n/a	=	2.13	µg/L	EPA 525.2	-88	-88			GN
2016/17-6	MO-MPK	srgt environ, rec	6/15/2017	Organic	Perylene-d12	n/a	=	43	%	EPA 525.2	-88	-88	50	120	GN
2016/17-6	MO-OJA	srgt environ	5/24/2017	Organic	Perylene-d12	n/a	=	4.79	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/24/2017	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2016/17-6	MO-SIM	srgt environ	6/15/2017	Organic	Perylene-d12	n/a	=	3.84	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	6/15/2017	Organic	Perylene-d12	n/a	=	77	%	EPA 525.2	-88	-88	50	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-THO	srgt environ	6/15/2017	Organic	Perylene-d12	n/a	=	4.14	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	6/15/2017	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2016/17-6	MO-VEN	srgt environ	5/5/2017	Organic	Perylene-d12	n/a	=	3.61	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/5/2017	Organic	Perylene-d12	n/a	=	72	%	EPA 525.2	-88	-88	50	120	
2016/17-6	Lab	method blank	5/13/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Phenanthrene	n/a	=	20.6	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Phenanthrene	n/a	=	82	%	EPA 625	-88	-88	54	120	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Phenanthrene	n/a	=	18.7	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Phenanthrene	n/a	=	75	%	EPA 625	-88	-88	54	120	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Phenanthrene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Phenanthrene	n/a	=	8.27	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Phenanthrene	n/a	=	83	%	EPA 8270C	-88	-88	21	131	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Phenanthrene	n/a	=	8.51	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Phenanthrene	n/a	=	85	%	EPA 8270C	-88	-88	21	131	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Phenanthrene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Phenanthrene	n/a	=	7.56	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Phenanthrene	n/a	=	76	%	EPA 8270C	-88	-88	21	131	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Phenanthrene	n/a	=	8.02	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Phenanthrene	n/a	=	80	%	EPA 8270C	-88	-88	21	131	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Phenanthrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Phenanthrene	n/a	=	21	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Phenanthrene	n/a	=	84	%	EPA 625	-88	-88	54	120	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Phenanthrene	n/a	=	21.2	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Phenanthrene	n/a	=	85	%	EPA 625	-88	-88	54	120	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Phenanthrene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Phenanthrene	n/a	=	19.3	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Phenanthrene	n/a	=	77	%	EPA 625	-88	-88	54	120	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Phenanthrene	n/a	=	20	µg/L	EPA 625	0.32	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Phenanthrene	n/a	=	80	%	EPA 625	-88	-88	54	120	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Phenanthrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Phenanthrene	n/a	=	6.79	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Phenanthrene	n/a	=	68	%	EPA 8270C	-88	-88	21	131	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Phenanthrene	n/a	=	7.09	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Phenanthrene	n/a	=	71	%	EPA 8270C	-88	-88	21	131	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Phenanthrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/13/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Phenol	n/a	=	6.87	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	112	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Phenol	n/a	=	6.1	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Phenol	n/a	=	24	%	EPA 625	-88	-88	5	112	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Phenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/23/2017	Organic	Phenol	n/a	=	2.57	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	Phenol	n/a	=	26	%	EPA 8270C	-88	-88	6	43	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	Phenol	n/a	=	2.88	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	Phenol	n/a	=	29	%	EPA 8270C	-88	-88	6	43	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	Phenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS	5/23/2017	Organic	Phenol	n/a	=	2.46	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Organic	Phenol	n/a	=	25	%	EPA 8270C	-88	-88	6	43	
2016/17-6	Lab	LCS dup	5/23/2017	Organic	Phenol	n/a	=	2.64	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Organic	Phenol	n/a	=	26	%	EPA 8270C	-88	-88	6	43	
2016/17-6	Lab	LCS, RPD	5/23/2017	Organic	Phenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Phenol	n/a	=	9.02	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Phenol	n/a	=	36	%	EPA 625	-88	-88	5	112	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Phenol	n/a	=	8.46	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Phenol	n/a	=	34	%	EPA 625	-88	-88	5	112	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Phenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Phenol	n/a	=	7.22	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Phenol	n/a	=	7.31	µg/L	EPA 625	0.16	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Phenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Phenol	n/a	=	2.06	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Phenol	n/a	=	21	%	EPA 8270C	-88	-88	6	43	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Phenol	n/a	=	2.23	µg/L	EPA 8270C	0.35	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Phenol	n/a	=	22	%	EPA 8270C	-88	-88	6	43	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Phenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	srgt method blank	5/13/2017	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/13/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt LCS	5/13/2017	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/13/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt LCS dup	5/13/2017	Organic	Phenol-d5	n/a	=	13.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/13/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt method blank	5/23/2017	Organic	Phenol-d5	n/a	=	2.16	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/23/2017	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt LCS	5/23/2017	Organic	Phenol-d5	n/a	=	2.18	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/23/2017	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt LCS dup	5/23/2017	Organic	Phenol-d5	n/a	=	2.43	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/23/2017	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt method blank	5/23/2017	Organic	Phenol-d5	n/a	=	2.35	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/23/2017	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt LCS	5/23/2017	Organic	Phenol-d5	n/a	=	2.11	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/23/2017	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt LCS dup	5/23/2017	Organic	Phenol-d5	n/a	=	2.24	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/23/2017	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt method blank	5/26/2017	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/26/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt LCS	5/26/2017	Organic	Phenol-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/26/2017	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt LCS dup	5/26/2017	Organic	Phenol-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/26/2017	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt method blank	5/31/2017	Organic	Phenol-d5	n/a	=	13.5	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/31/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt LCS	5/31/2017	Organic	Phenol-d5	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/31/2017	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt LCS dup	5/31/2017	Organic	Phenol-d5	n/a	=	14	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/31/2017	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2016/17-6	Lab	srgt method blank	6/2/2017	Organic	Phenol-d5	n/a	=	1.99	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/2/2017	Organic	Phenol-d5	n/a	=	20	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt LCS	6/2/2017	Organic	Phenol-d5	n/a	=	1.77	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/2/2017	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt LCS dup	6/2/2017	Organic	Phenol-d5	n/a	=	1.91	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	Organic	Phenol-d5	n/a	=	19	%	EPA 8270C	-88	-88	5	46	
2016/17-6	ME-CC	srgt environ	5/24/2017	Organic	Phenol-d5	n/a	=	2.09	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	
2016/17-6	ME-CC	srgt environ	5/26/2017	Organic	Phenol-d5	n/a	=	13.6	µg/L	EPA 625	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/26/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2016/17-6	ME-SCR	srgt environ	5/13/2017	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/13/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2016/17-6	ME-SCR	srgt environ	5/23/2017	Organic	Phenol-d5	n/a	=	2.73	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/23/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-6	ME-VR2	srgt environ	5/31/2017	Organic	Phenol-d5	n/a	=	14.3	µg/L	EPA 625	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-6	ME-VR2	srgt environ	6/2/2017	Organic	Phenol-d5	n/a	=	2	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/2/2017	Organic	Phenol-d5	n/a	=	20	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	Phenol-d5	n/a	=	1.78	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-CAM	srgt environ	5/26/2017	Organic	Phenol-d5	n/a	=	12.7	µg/L	EPA 625	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/26/2017	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-FIL	srgt environ	5/23/2017	Organic	Phenol-d5	n/a	=	2.51	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/23/2017	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-HUE	srgt environ	5/31/2017	Organic	Phenol-d5	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-HUE	srgt environ	6/2/2017	Organic	Phenol-d5	n/a	=	1.72	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/2/2017	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	Phenol-d5	n/a	=	2.65	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-MPK	srgt environ	5/26/2017	Organic	Phenol-d5	n/a	=	21	µg/L	EPA 625	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/26/2017	Organic	Phenol-d5	n/a	=	42	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Organic	Phenol-d5	n/a	=	12.6	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-OJA	srgt environ	6/2/2017	Organic	Phenol-d5	n/a	=	1.64	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	6/2/2017	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	Phenol-d5	n/a	=	1.98	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	Phenol-d5	n/a	=	20	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-SIM	srgt environ	5/26/2017	Organic	Phenol-d5	n/a	=	10.1	µg/L	EPA 625	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/26/2017	Organic	Phenol-d5	n/a	=	20	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	Phenol-d5	n/a	=	1.91	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	Phenol-d5	n/a	=	19	%	EPA 8270C	-88	-88	5	46	
2016/17-6	MO-THO	srgt environ	5/26/2017	Organic	Phenol-d5	n/a	=	10.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/26/2017	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2016/17-6	MO-VEN	srgt environ	5/23/2017	Organic	Phenol-d5	n/a	=	2.51	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/23/2017	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	
2016/17-6	Lab	srgt method blank	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt LCS	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt LCS dup	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt method blank	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	3.27	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt LCS	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	3.25	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt LCS dup	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	3.54	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	3.35	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	3.29	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt method blank	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt LCS	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt LCS dup	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt method blank	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt LCS	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt LCS dup	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	18	µg/L	EPA 625	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625	-88	-88	28	113	
2016/17-6	Lab	srgt method blank	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	3.25	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt LCS	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	srgt LCS dup	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	2.99	µg/L	EPA 8270C	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 8270C	-88	-88	19	134	
2016/17-6	ME-CC	srgt environ	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	3.38	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 8270C	-88	-88	19	134	
2016/17-6	ME-CC	srgt environ	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2016/17-6	ME-SCR	srgt environ	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2016/17-6	ME-SCR	srgt environ	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	3.44	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2016/17-6	ME-VR2	srgt environ	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2016/17-6	ME-VR2	srgt environ	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	2.13	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	43	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-CAM	srgt environ	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-FIL	srgt environ	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-FIL	srgt environ	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	3.29	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-HUE	srgt environ	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	16	µg/L	EPA 625	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	64	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-HUE	srgt environ	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	3.08	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	2.7	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-MPK	srgt environ	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	51	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-OJA	srgt environ	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/31/2017	Organic	p-Terphenyl-d14	n/a	=	59	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-OJA	srgt environ	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	2.6	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	6/2/2017	Organic	p-Terphenyl-d14	n/a	=	52	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	3.41	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-SIM	srgt environ	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 8270C	-88	-88	19	134	
2016/17-6	MO-THO	srgt environ	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/26/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-VEN	srgt environ	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/13/2017	Organic	p-Terphenyl-d14	n/a	=	53	%	EPA 625	-88	-88	28	113	
2016/17-6	MO-VEN	srgt environ	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	2.86	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	MO-VEN	srgt environ, rec	5/17/2017	Organic	p-Terphenyl-d14	n/a	=	57	%	EPA 8270C	-88	-88	19	134	
2016/17-6	Lab	method blank	5/13/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS	5/13/2017	Organic	Pyrene	n/a	=	21	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Organic	Pyrene	n/a	=	84	%	EPA 625	-88	-88	52	115	
2016/17-6	Lab	LCS dup	5/13/2017	Organic	Pyrene	n/a	=	19.6	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/13/2017	Organic	Pyrene	n/a	=	78	%	EPA 625	-88	-88	52	115	
2016/17-6	Lab	LCS, RPD	5/13/2017	Organic	Pyrene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/17/2017	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/17/2017	Organic	Pyrene	n/a	=	8.91	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/17/2017	Organic	Pyrene	n/a	=	89	%	EPA 8270C	-88	-88	26	128	
2016/17-6	Lab	LCS dup	5/17/2017	Organic	Pyrene	n/a	=	9.02	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/17/2017	Organic	Pyrene	n/a	=	90	%	EPA 8270C	-88	-88	26	128	
2016/17-6	Lab	LCS, RPD	5/17/2017	Organic	Pyrene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	5/24/2017	Organic	Pyrene	n/a	=	8.63	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Organic	Pyrene	n/a	=	86	%	EPA 8270C	-88	-88	26	128	
2016/17-6	Lab	LCS dup	5/24/2017	Organic	Pyrene	n/a	=	8.49	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Organic	Pyrene	n/a	=	85	%	EPA 8270C	-88	-88	26	128	
2016/17-6	Lab	LCS, RPD	5/24/2017	Organic	Pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/26/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS	5/26/2017	Organic	Pyrene	n/a	=	21.1	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Organic	Pyrene	n/a	=	84	%	EPA 625	-88	-88	52	115	
2016/17-6	Lab	LCS dup	5/26/2017	Organic	Pyrene	n/a	=	21.9	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Organic	Pyrene	n/a	=	88	%	EPA 625	-88	-88	52	115	
2016/17-6	Lab	LCS, RPD	5/26/2017	Organic	Pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS	5/31/2017	Organic	Pyrene	n/a	=	21.3	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS, rec	5/31/2017	Organic	Pyrene	n/a	=	85	%	EPA 625	-88	-88	52	115	
2016/17-6	Lab	LCS dup	5/31/2017	Organic	Pyrene	n/a	=	21.8	µg/L	EPA 625	0.25	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Organic	Pyrene	n/a	=	87	%	EPA 625	-88	-88	52	115	
2016/17-6	Lab	LCS, RPD	5/31/2017	Organic	Pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS	6/2/2017	Organic	Pyrene	n/a	=	7.94	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS, rec	6/2/2017	Organic	Pyrene	n/a	=	79	%	EPA 8270C	-88	-88	26	128	
2016/17-6	Lab	LCS dup	6/2/2017	Organic	Pyrene	n/a	=	7.75	µg/L	EPA 8270C	0.1	0.1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Organic	Pyrene	n/a	=	77	%	EPA 8270C	-88	-88	26	128	
2016/17-6	Lab	LCS, RPD	6/2/2017	Organic	Pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2016/17-6	000NONPJ	srgt matrix spike	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.071	µg/L	EPA 608	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608	-88	-88	35	111	
2016/17-6	000NONPJ	srgt matrix spike dup	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0679	µg/L	EPA 608	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt method blank	5/18/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0776	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/18/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	78	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt LCS	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0889	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	89	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt method blank	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0723	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	35	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt LCS	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0812	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt LCS dup	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0756	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt method blank	6/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0833	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	83	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt LCS	6/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0853	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt LCS dup	6/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0929	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/6/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	93	%	EPA 608	-88	-88	35	111	
2016/17-6	ME-CC	srgt environ	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0693	µg/L	EPA 608	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	6/2/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608	-88	-88	35	111	
2016/17-6	ME-SCR	srgt environ	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0757	µg/L	EPA 608	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608	-88	-88	35	111	
2016/17-6	ME-VR2	srgt environ	6/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0775	µg/L	EPA 608	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	77	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-CAM	srgt environ	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0477	µg/L	EPA 608	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	48	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-FIL	srgt environ	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0673	µg/L	EPA 608	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-HUE	srgt environ	6/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0785	µg/L	EPA 608	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	79	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-MPK	srgt environ	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.027	µg/L	EPA 608	-88	-88			GN
2016/17-6	MO-MPK	srgt environ, rec	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	27	%	EPA 608	-88	-88	35	111	GN
2016/17-6	MO-OJA	srgt environ	6/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0572	µg/L	EPA 608	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	6/7/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-SIM	srgt environ	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0597	µg/L	EPA 608	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-THO	srgt environ	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.065	µg/L	EPA 608	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	6/3/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	65	%	EPA 608	-88	-88	35	111	
2016/17-6	MO-VEN	srgt environ	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0417	µg/L	EPA 608	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/19/2017	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	42	%	EPA 608	-88	-88	35	111	
2016/17-6	Lab	srgt LCS	5/9/2017	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/9/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	Lab	srgt LCS dup	5/9/2017	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/9/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	Lab	srgt method blank	5/9/2017	Organic	Toluene-d8	n/a	=	53	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/9/2017	Organic	Toluene-d8	n/a	=	106	%	EPA 624	-88	-88	92	112	
2016/17-6	Lab	srgt LCS	5/24/2017	Organic	Toluene-d8	n/a	=	48.9	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/24/2017	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2016/17-6	Lab	srgt LCS dup	5/24/2017	Organic	Toluene-d8	n/a	=	50	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/24/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-6	Lab	srgt method blank	5/24/2017	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/24/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-CC	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-CC	srgt matrix spike	5/25/2017	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-CC	srgt matrix spike, rec	5/25/2017	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-CC	srgt matrix spike dup	5/25/2017	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-6	ME-CC	srgt matrix spike dup, rec	5/25/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-SCR	srgt environ	5/9/2017	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/9/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-SCR	srgt matrix spike	5/10/2017	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt matrix spike, rec	5/10/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-SCR	srgt matrix spike dup	5/10/2017	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2016/17-6	ME-SCR	srgt matrix spike dup, rec	5/10/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	ME-VR2	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-CAM	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-FIL	srgt environ	5/9/2017	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/9/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-HUE	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-MPK	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	53	µg/L	EPA 624	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	106	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-OJA	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-OXN	srgt environ	5/9/2017	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2016/17-6	MO-OXN	srgt environ, rec	5/9/2017	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-SIM	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-THO	srgt environ	5/25/2017	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/25/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	MO-VEN	srgt environ	5/9/2017	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/9/2017	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2016/17-6	000NONPJ	srgt matrix spike	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.64	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	000NONPJ	srgt matrix spike dup	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.655	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	000NONPJ	srgt matrix spike	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.605	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	000NONPJ	srgt matrix spike dup	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.625	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	000NONPJ	srgt matrix spike	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.531	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	000NONPJ	srgt matrix spike dup	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.506	µg/L	EPA 525.2m	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srgt method blank	5/5/2017	Organic	Triphenylphosphate	n/a	=	4.1	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/5/2017	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS	5/5/2017	Organic	Triphenylphosphate	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/5/2017	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srgt LCS dup	5/5/2017	Organic	Triphenylphosphate	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	5/5/2017	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srqt method blank	5/10/2017	Organic	Triphenylphosphate	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt method blank, rec	5/10/2017	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS	5/10/2017	Organic	Triphenylphosphate	n/a	=	5.14	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS, rec	5/10/2017	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS dup	5/10/2017	Organic	Triphenylphosphate	n/a	=	5.26	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS dup, rec	5/10/2017	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt method blank	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.565	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srqt method blank, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srqt LCS	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.519	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srqt LCS, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srqt method blank	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.567	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srqt method blank, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srqt LCS	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.544	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srqt LCS, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srqt method blank	5/24/2017	Organic	Triphenylphosphate	n/a	=	4.73	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt method blank, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS	5/24/2017	Organic	Triphenylphosphate	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS dup	5/24/2017	Organic	Triphenylphosphate	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS dup, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt method blank	5/25/2017	Organic	Triphenylphosphate	n/a	=	4.75	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt method blank, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS	5/25/2017	Organic	Triphenylphosphate	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS dup	5/25/2017	Organic	Triphenylphosphate	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS dup, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt method blank	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.583	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srqt method blank, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srqt LCS	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.659	µg/L	EPA 525.2m	-88	-88			
2016/17-6	Lab	srqt LCS, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	Lab	srqt method blank	6/15/2017	Organic	Triphenylphosphate	n/a	=	4.37	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt method blank, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS	6/15/2017	Organic	Triphenylphosphate	n/a	=	5.33	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2016/17-6	Lab	srqt LCS dup	6/15/2017	Organic	Triphenylphosphate	n/a	=	5.33	µg/L	EPA 525.2	-88	-88			
2016/17-6	Lab	srqt LCS dup, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-CC	srqt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.494	µg/L	EPA 525.2m	-88	-88			
2016/17-6	ME-CC	srqt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	ME-CC	srqt environ	6/15/2017	Organic	Triphenylphosphate	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-CC	srqt environ, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-SCR	srqt environ	5/5/2017	Organic	Triphenylphosphate	n/a	=	4.78	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-SCR	srqt environ, rec	5/5/2017	Organic	Triphenylphosphate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-SCR	srqt environ	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.651	µg/L	EPA 525.2m	-88	-88			
2016/17-6	ME-SCR	srqt environ, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	ME-VR2	srqt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	5.29	µg/L	EPA 525.2	-88	-88			
2016/17-6	ME-VR2	srqt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2016/17-6	ME-VR2	srqt environ	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.614	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	ME-VR2	srgt environ, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-CAM	srgt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.569	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-CAM	srgt environ	6/15/2017	Organic	Triphenylphosphate	n/a	=	6.28	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-FIL	srgt environ	5/5/2017	Organic	Triphenylphosphate	n/a	=	5.31	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/5/2017	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-FIL	srgt environ	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.616	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-HUE	srgt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	5.48	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-HUE	srgt environ	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.605	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-MPK	srgt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.656	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-MPK	srgt environ	6/15/2017	Organic	Triphenylphosphate	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-OJA	srgt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	5.71	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-OJA	srgt environ	5/25/2017	Organic	Triphenylphosphate	n/a	=	0.663	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	5/25/2017	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-SIM	srgt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.608	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-SIM	srgt environ	6/15/2017	Organic	Triphenylphosphate	n/a	=	5.28	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-THO	srgt environ	5/24/2017	Organic	Triphenylphosphate	n/a	=	0.592	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	5/24/2017	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	MO-THO	srgt environ	6/15/2017	Organic	Triphenylphosphate	n/a	=	5.45	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	6/15/2017	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-VEN	srgt environ	5/5/2017	Organic	Triphenylphosphate	n/a	=	5.96	µg/L	EPA 525.2	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/5/2017	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2016/17-6	MO-VEN	srgt environ	5/16/2017	Organic	Triphenylphosphate	n/a	=	0.579	µg/L	EPA 525.2m	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/16/2017	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2016/17-6	000NONPJ	srgt matrix spike	5/19/2017	PCB	PCB 209	n/a	=	0.0947	µg/L	EPA 608	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike, rec	5/19/2017	PCB	PCB 209	n/a	=	95	%	EPA 608	-88	-88	34	125	
2016/17-6	000NONPJ	srgt matrix spike dup	5/19/2017	PCB	PCB 209	n/a	=	0.0887	µg/L	EPA 608	-88	-88			
2016/17-6	000NONPJ	srgt matrix spike dup, rec	5/19/2017	PCB	PCB 209	n/a	=	89	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt method blank	5/18/2017	PCB	PCB 209	n/a	=	0.101	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt method blank, rec	5/18/2017	PCB	PCB 209	n/a	=	101	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt LCS	5/19/2017	PCB	PCB 209	n/a	=	0.109	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS, rec	5/19/2017	PCB	PCB 209	n/a	=	109	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt method blank	6/2/2017	PCB	PCB 209	n/a	=	0.0941	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/2/2017	PCB	PCB 209	n/a	=	94	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt LCS	6/2/2017	PCB	PCB 209	n/a	=	0.0865	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/2/2017	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt LCS dup	6/2/2017	PCB	PCB 209	n/a	=	0.0899	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/2/2017	PCB	PCB 209	n/a	=	90	%	EPA 608	-88	-88	34	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	srgt method blank	6/6/2017	PCB	PCB 209	n/a	=	0.105	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt method blank, rec	6/6/2017	PCB	PCB 209	n/a	=	105	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt LCS	6/6/2017	PCB	PCB 209	n/a	=	0.107	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS, rec	6/6/2017	PCB	PCB 209	n/a	=	107	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	srgt LCS dup	6/6/2017	PCB	PCB 209	n/a	=	0.11	µg/L	EPA 608	-88	-88			
2016/17-6	Lab	srgt LCS dup, rec	6/6/2017	PCB	PCB 209	n/a	=	110	%	EPA 608	-88	-88	34	125	
2016/17-6	ME-CC	srgt environ	6/2/2017	PCB	PCB 209	n/a	=	0.0878	µg/L	EPA 608	-88	-88			
2016/17-6	ME-CC	srgt environ, rec	6/2/2017	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	34	125	
2016/17-6	ME-SCR	srgt environ	5/19/2017	PCB	PCB 209	n/a	=	0.0966	µg/L	EPA 608	-88	-88			
2016/17-6	ME-SCR	srgt environ, rec	5/19/2017	PCB	PCB 209	n/a	=	97	%	EPA 608	-88	-88	34	125	
2016/17-6	ME-VR2	srgt environ	6/7/2017	PCB	PCB 209	n/a	=	0.0989	µg/L	EPA 608	-88	-88			
2016/17-6	ME-VR2	srgt environ, rec	6/7/2017	PCB	PCB 209	n/a	=	99	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-CAM	srgt environ	6/3/2017	PCB	PCB 209	n/a	=	0.0677	µg/L	EPA 608	-88	-88			
2016/17-6	MO-CAM	srgt environ, rec	6/3/2017	PCB	PCB 209	n/a	=	68	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-FIL	srgt environ	5/19/2017	PCB	PCB 209	n/a	=	0.0959	µg/L	EPA 608	-88	-88			
2016/17-6	MO-FIL	srgt environ, rec	5/19/2017	PCB	PCB 209	n/a	=	96	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-HUE	srgt environ	6/7/2017	PCB	PCB 209	n/a	=	0.0936	µg/L	EPA 608	-88	-88			
2016/17-6	MO-HUE	srgt environ, rec	6/7/2017	PCB	PCB 209	n/a	=	94	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-MPK	srgt environ	6/3/2017	PCB	PCB 209	n/a	=	0.049	µg/L	EPA 608	-88	-88			
2016/17-6	MO-MPK	srgt environ, rec	6/3/2017	PCB	PCB 209	n/a	=	49	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-OJA	srgt environ	6/7/2017	PCB	PCB 209	n/a	=	0.0724	µg/L	EPA 608	-88	-88			
2016/17-6	MO-OJA	srgt environ, rec	6/7/2017	PCB	PCB 209	n/a	=	72	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-SIM	srgt environ	6/3/2017	PCB	PCB 209	n/a	=	0.0932	µg/L	EPA 608	-88	-88			
2016/17-6	MO-SIM	srgt environ, rec	6/3/2017	PCB	PCB 209	n/a	=	93	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-THO	srgt environ	6/3/2017	PCB	PCB 209	n/a	=	0.0842	µg/L	EPA 608	-88	-88			
2016/17-6	MO-THO	srgt environ, rec	6/3/2017	PCB	PCB 209	n/a	=	84	%	EPA 608	-88	-88	34	125	
2016/17-6	MO-VEN	srgt environ	5/19/2017	PCB	PCB 209	n/a	=	0.0538	µg/L	EPA 608	-88	-88			
2016/17-6	MO-VEN	srgt environ, rec	5/19/2017	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	34	125	
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-6	Lab	method blank	5/18/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	6/2/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-6	Lab	method blank	6/6/2017	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4,5-T	n/a	=	4.76	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4,5-T	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4,5-T	n/a	=	4.79	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4,5-T	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4,5-T	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4,5-T	n/a	=	4.76	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4,5-T	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4,5-T	n/a	=	4.83	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4,5-T	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4,5-T	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4,5-T	n/a	=	4.25	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4,5-T	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4,5-T	n/a	=	4.51	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4,5-T	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4,5-T	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4,5-T	n/a	=	4.45	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4,5-T	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4,5-T	n/a	=	4.19	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4,5-T	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4,5-T	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	2,4,5-T	n/a	=	4.65	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	2,4,5-T	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	2,4,5-T	n/a	=	4.67	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	2,4,5-T	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	2,4,5-T	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	2,4,5-T	n/a	=	5	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	2,4,5-T	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4,5-T	n/a	=	4.42	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4,5-T	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4,5-T	n/a	=	4.34	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4,5-T	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	2,4,5-T	n/a	=	4.31	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	2,4,5-T	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	2,4,5-T	n/a	=	4.5	µg/L	EPA 515.3	0.07	0.2			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	2,4,5-T	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4,5-TP	n/a	=	5.1	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4,5-TP	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4,5-TP	n/a	=	5.02	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4,5-TP	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4,5-TP	n/a	=	4.83	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4,5-TP	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4,5-TP	n/a	=	4.96	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4,5-TP	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4,5-TP	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4.08	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4,5-TP	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4.24	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4,5-TP	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4.29	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4,5-TP	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4.05	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4,5-TP	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4,5-TP	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	2,4,5-TP	n/a	=	4.48	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	2,4,5-TP	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	2,4,5-TP	n/a	=	4.43	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	2,4,5-TP	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	2,4,5-TP	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	2,4,5-TP	n/a	=	4.94	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	2,4,5-TP	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4.1	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4,5-TP	n/a	=	4.22	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4,5-TP	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	2,4,5-TP	n/a	=	4.26	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	2,4,5-TP	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	2,4,5-TP	n/a	=	4.41	µg/L	EPA 515.3	0.09	0.2			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	2,4,5-TP	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4-D	n/a	=	9.51	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4-D	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4-D	n/a	=	9.52	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4-D	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4-D	n/a	=	0.08	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4-D	n/a	=	9.24	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4-D	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4-D	n/a	=	9.26	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4-D	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4-D	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4-D	n/a	=	8.49	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4-D	n/a	=	106	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4-D	n/a	=	8.7	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4-D	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4-D	n/a	=	8.33	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4-D	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4-D	n/a	=	8.29	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4-D	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4-D	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	2,4-D	n/a	=	8.88	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	2,4-D	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	2,4-D	n/a	=	9.09	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	2,4-D	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	2,4-D	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	2,4-D	n/a	=	9.45	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	2,4-D	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4-D	n/a	=	8.54	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4-D	n/a	=	8.42	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4-D	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	2,4-D	n/a	=	8.33	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	2,4-D	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	2,4-D	n/a	=	8.75	µg/L	EPA 515.3	0.07	0.4			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4-DB	n/a	=	20.5	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4-DB	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4-DB	n/a	=	20.1	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4-DB	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4-DB	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	2,4-DB	n/a	=	19.6	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	2,4-DB	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	2,4-DB	n/a	=	19.9	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	2,4-DB	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	2,4-DB	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4-DB	n/a	=	17.1	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4-DB	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4-DB	n/a	=	17.5	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4-DB	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4-DB	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	2,4-DB	n/a	=	17.3	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	2,4-DB	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	2,4-DB	n/a	=	16.2	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	2,4-DB	n/a	=	101	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	2,4-DB	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	2,4-DB	n/a	=	17.2	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	2,4-DB	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	2,4-DB	n/a	=	18.4	µg/L	EPA 515.3	0.07	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	2,4-DB	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	2,4-DB	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	2,4-DB	n/a	=	20	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	2,4-DB	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4-DB	n/a	=	17.2	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4-DB	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	2,4-DB	n/a	=	16.9	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	2,4-DB	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	2,4-DB	n/a	=	16.6	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	2,4-DB	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	2,4-DB	n/a	=	17.4	µg/L	EPA 515.3	0.07	2			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	2,4-DB	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.94	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	10.2	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.07	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.06	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.06	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.51	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.68	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.8	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.85	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.93	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.96	µg/L	EPA 515.3	0.09	1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.09	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.39	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.21	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.36	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.71	µg/L	EPA 515.3	0.09	1			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	4,4'-DDD	n/a	DNQ	0.0967	µg/L	EPA 608	0.006	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	4,4'-DDD	n/a	=	97	%	EPA 608	-88	-88	23	124	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	4,4'-DDD	n/a	DNQ	0.0922	µg/L	EPA 608	0.006	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	4,4'-DDD	n/a	=	92	%	EPA 608	-88	-88	23	124	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	4,4'-DDD	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	4,4'-DDD	n/a	=	0.116	µg/L	EPA 608	0.003	0.05			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	4,4'-DDD	n/a	=	116	%	EPA 608	-88	-88	42	133	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.005			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	4,4'-DDD	n/a	=	0.0947	µg/L	EPA 608	0.003	0.005			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	4,4'-DDD	n/a	=	95	%	EPA 608	-88	-88	42	133	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	4,4'-DDD	n/a	=	0.095	µg/L	EPA 608	0.003	0.005			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	4,4'-DDD	n/a	=	95	%	EPA 608	-88	-88	42	133	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	4,4'-DDD	n/a	=	0.4	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	4,4'-DDD	n/a	=	0.104	µg/L	EPA 608	0.003	0.05			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	4,4'-DDD	n/a	=	104	%	EPA 608	-88	-88	42	133	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	4,4'-DDD	n/a	=	0.108	µg/L	EPA 608	0.003	0.05			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	4,4'-DDD	n/a	=	108	%	EPA 608	-88	-88	42	133	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	4,4'-DDD	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	4,4'-DDE	n/a	DNQ	0.0896	µg/L	EPA 608	0.005	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	4,4'-DDE	n/a	=	90	%	EPA 608	-88	-88	30	114	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	4,4'-DDE	n/a	DNQ	0.0849	µg/L	EPA 608	0.005	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	4,4'-DDE	n/a	=	85	%	EPA 608	-88	-88	30	114	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	4,4'-DDE	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	4,4'-DDE	n/a	=	0.109	µg/L	EPA 608	0.0025	0.05			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	4,4'-DDE	n/a	=	109	%	EPA 608	-88	-88	33	126	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	4,4'-DDE	n/a	=	0.0878	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	4,4'-DDE	n/a	=	88	%	EPA 608	-88	-88	33	126	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	4,4'-DDE	n/a	=	0.0873	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608	-88	-88	33	126	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	4,4'-DDE	n/a	=	0.6	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	4,4'-DDE	n/a	=	0.0988	µg/L	EPA 608	0.0025	0.05			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	4,4'-DDE	n/a	=	99	%	EPA 608	-88	-88	33	126	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	4,4'-DDE	n/a	=	0.106	µg/L	EPA 608	0.0025	0.05			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	4,4'-DDE	n/a	=	106	%	EPA 608	-88	-88	33	126	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	4,4'-DDE	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	4,4'-DDT	n/a	=	0.0927	µg/L	EPA 608	0.0062	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	4,4'-DDT	n/a	=	93	%	EPA 608	-88	-88	11	151	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	4,4'-DDT	n/a	=	0.0884	µg/L	EPA 608	0.0062	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	4,4'-DDT	n/a	=	88	%	EPA 608	-88	-88	11	151	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	4,4'-DDT	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	4,4'-DDT	n/a	=	0.106	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	4,4'-DDT	n/a	=	106	%	EPA 608	-88	-88	35	147	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	4,4'-DDT	n/a	=	0.0947	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	4,4'-DDT	n/a	=	95	%	EPA 608	-88	-88	35	147	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	4,4'-DDT	n/a	=	0.094	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	4,4'-DDT	n/a	=	94	%	EPA 608	-88	-88	35	147	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	4,4'-DDT	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	4,4'-DDT	n/a	=	0.105	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	4,4'-DDT	n/a	=	105	%	EPA 608	-88	-88	35	147	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	4,4'-DDT	n/a	=	0.107	µg/L	EPA 608	0.0031	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	4,4'-DDT	n/a	=	107	%	EPA 608	-88	-88	35	147	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	4,4'-DDT	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Acifluorfen	n/a	=	5.11	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Acifluorfen	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Acifluorfen	n/a	=	4.92	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Acifluorfen	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Acifluorfen	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Acifluorfen	n/a	=	4.85	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Acifluorfen	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Acifluorfen	n/a	=	4.98	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Acifluorfen	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Acifluorfen	n/a	=	4.38	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Acifluorfen	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Acifluorfen	n/a	=	4.46	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Acifluorfen	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Acifluorfen	n/a	=	4.45	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Acifluorfen	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Acifluorfen	n/a	=	4.37	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Acifluorfen	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Acifluorfen	n/a	=	4.52	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Acifluorfen	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Acifluorfen	n/a	=	4.51	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Acifluorfen	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Acifluorfen	n/a	=	0.09	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Acifluorfen	n/a	=	4.81	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Acifluorfen	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Acifluorfen	n/a	=	4.48	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Acifluorfen	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Acifluorfen	n/a	=	4.43	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Acifluorfen	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Acifluorfen	n/a	=	4.27	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Acifluorfen	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Acifluorfen	n/a	=	4.42	µg/L	EPA 515.3	0.06	0.4			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Acifluorfen	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Alachlor	n/a	=	5.81	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Alachlor	n/a	=	116	%	EPA 525.2	-88	-88	55	124	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Alachlor	n/a	=	5.79	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Alachlor	n/a	=	116	%	EPA 525.2	-88	-88	55	124	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Alachlor	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Alachlor	n/a	=	5.5	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Alachlor	n/a	=	110	%	EPA 525.2	-88	-88	55	124	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Alachlor	n/a	=	5.6	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Alachlor	n/a	=	112	%	EPA 525.2	-88	-88	55	124	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Alachlor	n/a	=	5.94	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Alachlor	n/a	=	119	%	EPA 525.2	-88	-88	55	124	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Alachlor	n/a	=	5.91	µg/L	EPA 525.2	0.022	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Alachlor	n/a	=	118	%	EPA 525.2	-88	-88	55	124	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Alachlor	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Aldrin	n/a	=	0.0797	µg/L	EPA 608	0.003	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Aldrin	n/a	=	80	%	EPA 608	-88	-88	18	110	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Aldrin	n/a	=	0.0749	µg/L	EPA 608	0.003	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Aldrin	n/a	=	75	%	EPA 608	-88	-88	18	110	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Aldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Aldrin	n/a	=	0.0977	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Aldrin	n/a	=	98	%	EPA 608	-88	-88	18	117	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Aldrin	n/a	=	0.0868	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Aldrin	n/a	=	87	%	EPA 608	-88	-88	18	117	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Aldrin	n/a	=	0.0819	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Aldrin	n/a	=	82	%	EPA 608	-88	-88	18	117	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Aldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Aldrin	n/a	=	0.0945	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Aldrin	n/a	=	95	%	EPA 608	-88	-88	18	117	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Aldrin	n/a	=	0.0997	µg/L	EPA 608	0.0015	0.005			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Aldrin	n/a	=	100	%	EPA 608	-88	-88	18	117	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Aldrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	alpha-BHC	n/a	=	0.0757	µg/L	EPA 608	0.0036	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	alpha-BHC	n/a	=	76	%	EPA 608	-88	-88	43	114	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	alpha-BHC	n/a	=	0.0714	µg/L	EPA 608	0.0036	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	alpha-BHC	n/a	=	71	%	EPA 608	-88	-88	43	114	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	alpha-BHC	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	alpha-BHC	n/a	=	0.0918	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	alpha-BHC	n/a	=	92	%	EPA 608	-88	-88	47	119	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	alpha-BHC	n/a	=	0.0819	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	alpha-BHC	n/a	=	82	%	EPA 608	-88	-88	47	119	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	alpha-BHC	n/a	=	0.0802	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	alpha-BHC	n/a	=	80	%	EPA 608	-88	-88	47	119	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	alpha-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	alpha-BHC	n/a	=	0.0903	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	alpha-BHC	n/a	=	90	%	EPA 608	-88	-88	47	119	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	alpha-BHC	n/a	=	0.0931	µg/L	EPA 608	0.0018	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	alpha-BHC	n/a	=	93	%	EPA 608	-88	-88	47	119	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	alpha-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-6	Lab	method blank	6/2/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-6	Lab	method blank	6/6/2017	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Atrazine	n/a	=	5.4	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Atrazine	n/a	=	108	%	EPA 525.2	-88	-88	67	131	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Atrazine	n/a	=	5.39	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Atrazine	n/a	=	108	%	EPA 525.2	-88	-88	67	131	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Atrazine	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Atrazine	n/a	=	5.23	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Atrazine	n/a	=	105	%	EPA 525.2	-88	-88	67	131	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Atrazine	n/a	=	5.4	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Atrazine	n/a	=	108	%	EPA 525.2	-88	-88	67	131	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Atrazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Atrazine	n/a	=	5.83	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Atrazine	n/a	=	117	%	EPA 525.2	-88	-88	67	131	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Atrazine	n/a	=	5.64	µg/L	EPA 525.2	0.034	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Atrazine	n/a	=	113	%	EPA 525.2	-88	-88	67	131	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Atrazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Azinphos methyl	n/a	=	0.0811	µg/L	EPA 525.2m	0.0055	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Azinphos methyl	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	154	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Azinphos methyl	n/a	=	0.081	µg/L	EPA 525.2m	0.0055	0.01			GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Azinphos methyl	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	154	GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Azinphos methyl	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Azinphos methyl	n/a	=	0.0614	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Azinphos methyl	n/a	=	123	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Azinphos methyl	n/a	=	0.063	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Azinphos methyl	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Azinphos methyl	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Azinphos methyl	n/a	=	0.0556	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Azinphos methyl	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Azinphos methyl	n/a	=	0.0567	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Azinphos methyl	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	154	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Azinphos methyl	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Azinphos methyl	n/a	=	0.0467	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Azinphos methyl	n/a	=	93	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Azinphos methyl	n/a	=	0.0521	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Azinphos methyl	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Azinphos methyl	n/a	=	0.055	µg/L	EPA 525.2m	0.0055	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Azinphos methyl	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Bentazon	n/a	=	20.1	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Bentazon	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Bentazon	n/a	=	20.6	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Bentazon	n/a	=	129	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Bentazon	n/a	=	19.4	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Bentazon	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Bentazon	n/a	=	19.6	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Bentazon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Bentazon	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Bentazon	n/a	=	16.7	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Bentazon	n/a	=	16.9	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Bentazon	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Bentazon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Bentazon	n/a	=	14.9	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Bentazon	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Bentazon	n/a	=	14.7	µg/L	EPA 515.3	0.11	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Bentazon	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Bentazon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Bentazon	n/a	=	17.2	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Bentazon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Bentazon	n/a	=	18.1	µg/L	EPA 515.3	0.11	2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Bentazon	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Bentazon	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Bentazon	n/a	=	19.4	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Bentazon	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Bentazon	n/a	=	16.5	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Bentazon	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Bentazon	n/a	=	16.6	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Bentazon	n/a	=	16.3	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Bentazon	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Bentazon	n/a	=	17	µg/L	EPA 515.3	0.11	2			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Bentazon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	beta-BHC	n/a	=	0.0924	µg/L	EPA 608	0.0062	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	beta-BHC	n/a	=	92	%	EPA 608	-88	-88	24	135	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	beta-BHC	n/a	=	0.0853	µg/L	EPA 608	0.0062	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	beta-BHC	n/a	=	85	%	EPA 608	-88	-88	24	135	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	beta-BHC	n/a	=	8	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	beta-BHC	n/a	=	0.112	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	beta-BHC	n/a	=	112	%	EPA 608	-88	-88	53	123	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	beta-BHC	n/a	=	0.0972	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	beta-BHC	n/a	=	97	%	EPA 608	-88	-88	53	123	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	beta-BHC	n/a	=	0.0936	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	beta-BHC	n/a	=	94	%	EPA 608	-88	-88	53	123	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	beta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	beta-BHC	n/a	=	0.104	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	beta-BHC	n/a	=	104	%	EPA 608	-88	-88	53	123	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	beta-BHC	n/a	=	0.106	µg/L	EPA 608	0.0031	0.005			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	beta-BHC	n/a	=	106	%	EPA 608	-88	-88	53	123	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	beta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Bolstar	n/a	=	0.0255	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Bolstar	n/a	=	51	%	EPA 525.2m	-88	-88	4	184	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Bolstar	n/a	=	0.0233	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Bolstar	n/a	=	47	%	EPA 525.2m	-88	-88	4	184	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Bolstar	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Bolstar	n/a	=	0.048	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Bolstar	n/a	=	96	%	EPA 525.2m	-88	-88	4	184	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Bolstar	n/a	=	0.0441	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Bolstar	n/a	=	88	%	EPA 525.2m	-88	-88	4	184	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Bolstar	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Bolstar	n/a	=	0.04	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Bolstar	n/a	=	80	%	EPA 525.2m	-88	-88	4	184	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Bolstar	n/a	=	0.045	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Bolstar	n/a	=	90	%	EPA 525.2m	-88	-88	4	184	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Bolstar	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Bolstar	n/a	=	0.0364	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Bolstar	n/a	=	73	%	EPA 525.2m	-88	-88	11	166	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Bolstar	n/a	=	0.0394	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Bolstar	n/a	=	79	%	EPA 525.2m	-88	-88	11	166	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Bolstar	n/a	=	0.0408	µg/L	EPA 525.2m	0.0046	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Bolstar	n/a	=	82	%	EPA 525.2m	-88	-88	11	166	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Bromacil	n/a	=	5.58	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Bromacil	n/a	=	112	%	EPA 525.2	-88	-88	62	139	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Bromacil	n/a	=	5.61	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Bromacil	n/a	=	112	%	EPA 525.2	-88	-88	62	139	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Bromacil	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Bromacil	n/a	=	5.46	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Bromacil	n/a	=	109	%	EPA 525.2	-88	-88	62	139	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Bromacil	n/a	=	5.55	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Bromacil	n/a	=	111	%	EPA 525.2	-88	-88	62	139	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Bromacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Bromacil	n/a	=	6.02	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Bromacil	n/a	=	120	%	EPA 525.2	-88	-88	62	139	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Bromacil	n/a	=	5.86	µg/L	EPA 525.2	0.038	1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Bromacil	n/a	=	117	%	EPA 525.2	-88	-88	62	139	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Bromacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Butachlor	n/a	=	5.72	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Butachlor	n/a	=	114	%	EPA 525.2	-88	-88	61	127	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Butachlor	n/a	=	5.69	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Butachlor	n/a	=	114	%	EPA 525.2	-88	-88	61	127	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Butachlor	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Butachlor	n/a	=	6.11	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Butachlor	n/a	=	122	%	EPA 525.2	-88	-88	61	127	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Butachlor	n/a	=	6.07	µg/L	EPA 525.2	0.017	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Butachlor	n/a	=	121	%	EPA 525.2	-88	-88	61	127	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Butachlor	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Butachlor	n/a	=	5.84	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Butachlor	n/a	=	117	%	EPA 525.2	-88	-88	61	127	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Butachlor	n/a	=	5.84	µg/L	EPA 525.2	0.017	0.2			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Butachlor	n/a	=	117	%	EPA 525.2	-88	-88	61	127	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Butachlor	n/a	=	0.07	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Captan	n/a	=	4.4	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Captan	n/a	=	88	%	EPA 525.2	-88	-88	14	159	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Captan	n/a	=	4.26	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Captan	n/a	=	85	%	EPA 525.2	-88	-88	14	159	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Captan	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Captan	n/a	=	5.5	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Captan	n/a	=	110	%	EPA 525.2	-88	-88	14	159	
2016/17-6	Lab	LCS dup	5/25/2017	Pesticide	Captan	n/a	=	5.36	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS dup, rec	5/25/2017	Pesticide	Captan	n/a	=	107	%	EPA 525.2	-88	-88	14	159	
2016/17-6	Lab	LCS, RPD	5/25/2017	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Captan	n/a	=	4.68	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Captan	n/a	=	94	%	EPA 525.2	-88	-88	14	159	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Captan	n/a	=	5.23	µg/L	EPA 525.2	0.86	1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Captan	n/a	=	105	%	EPA 525.2	-88	-88	14	159	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Captan	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Chloropropham	n/a	=	5.98	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Chloropropham	n/a	=	120	%	EPA 525.2	-88	-88	77	143	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Chloropropham	n/a	=	5.98	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Chloropropham	n/a	=	120	%	EPA 525.2	-88	-88	77	143	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Chloropropham	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Chloropropham	n/a	=	5.78	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Chloropropham	n/a	=	116	%	EPA 525.2	-88	-88	77	143	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Chloropropham	n/a	=	5.88	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Chloropropham	n/a	=	118	%	EPA 525.2	-88	-88	77	143	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Chloropropham	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Chloropropham	n/a	=	5.85	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Chloropropham	n/a	=	117	%	EPA 525.2	-88	-88	77	143	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Chloropropham	n/a	=	5.74	µg/L	EPA 525.2	0.01	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Chloropropham	n/a	=	115	%	EPA 525.2	-88	-88	77	143	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Chloropropham	n/a	=	2	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	0.0966	µg/L	EPA 525.2m	0.0069	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	193	%	EPA 525.2m	-88	-88	37	168	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	0.148	µg/L	EPA 525.2m	0.0069	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	297	%	EPA 525.2m	-88	-88	37	168	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	42	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	0.0612	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	122	%	EPA 525.2m	-88	-88	37	168	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	0.0614	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	123	%	EPA 525.2m	-88	-88	37	168	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	0.0709	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	142	%	EPA 525.2m	-88	-88	37	168	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	0.0692	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	138	%	EPA 525.2m	-88	-88	37	168	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	0.0691	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Chlorpyrifos	n/a	=	138	%	EPA 525.2m	-88	-88	37	169	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	0.0547	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Chlorpyrifos	n/a	=	109	%	EPA 525.2m	-88	-88	37	169	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	0.0565	µg/L	EPA 525.2m	0.0069	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Chlorpyrifos	n/a	=	113	%	EPA 525.2m	-88	-88	37	169	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Coumaphos	n/a	=	0.0665	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Coumaphos	n/a	=	133	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Coumaphos	n/a	=	0.0701	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Coumaphos	n/a	=	140	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Coumaphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Coumaphos	n/a	=	0.0586	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Coumaphos	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Coumaphos	n/a	=	0.0608	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Coumaphos	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Coumaphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Coumaphos	n/a	=	0.052	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Coumaphos	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Coumaphos	n/a	=	0.0533	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Coumaphos	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	203	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Coumaphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Coumaphos	n/a	=	0.0491	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Coumaphos	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Coumaphos	n/a	=	0.0514	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Coumaphos	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Coumaphos	n/a	=	0.0545	µg/L	EPA 525.2m	0.0051	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Coumaphos	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	225	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Cyanazine	n/a	=	5.87	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Cyanazine	n/a	=	117	%	EPA 525.2	-88	-88	61	129	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Cyanazine	n/a	=	5.67	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Cyanazine	n/a	=	113	%	EPA 525.2	-88	-88	61	129	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Cyanazine	n/a	=	5.24	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Cyanazine	n/a	=	105	%	EPA 525.2	-88	-88	61	129	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Cyanazine	n/a	=	5.43	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Cyanazine	n/a	=	109	%	EPA 525.2	-88	-88	61	129	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Cyanazine	n/a	=	5.57	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Cyanazine	n/a	=	111	%	EPA 525.2	-88	-88	61	129	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Cyanazine	n/a	=	5.47	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Cyanazine	n/a	=	109	%	EPA 525.2	-88	-88	61	129	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Cyanazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dalapon	n/a	=	14.3	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dalapon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dalapon	n/a	=	14.6	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dalapon	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dalapon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dalapon	n/a	=	9.74	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dalapon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dalapon	n/a	=	9.72	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dalapon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dalapon	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dalapon	n/a	=	8.38	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dalapon	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dalapon	n/a	=	8.49	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dalapon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dalapon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dalapon	n/a	=	8.22	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dalapon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dalapon	n/a	=	9.51	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dalapon	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dalapon	n/a	=	15	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Dalapon	n/a	=	8.82	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Dalapon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Dalapon	n/a	=	8.82	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Dalapon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Dalapon	n/a	=	0.01	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Dalapon	n/a	=	9.41	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Dalapon	n/a	=	118	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dalapon	n/a	=	7.92	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dalapon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dalapon	n/a	=	7.98	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dalapon	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dalapon	n/a	=	8.39	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dalapon	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Dalapon	n/a	=	8.64	µg/L	EPA 515.3	0.1	0.4			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Dalapon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.92	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.84	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.85	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.91	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.29	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.42	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.21	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.24	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.47	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.51	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.93	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	DCPA (Dacthal)	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.3	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.26	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	DCPA (Dacthal)	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/24/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.27	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	DCPA (Dacthal)	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	4.42	µg/L	EPA 515.3	0.07	0.1			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	DCPA (Dacthal)	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	delta-BHC	n/a	=	0.0905	µg/L	EPA 608	0.005	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	delta-BHC	n/a	=	91	%	EPA 608	-88	-88	37	122	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	delta-BHC	n/a	=	0.0861	µg/L	EPA 608	0.005	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	delta-BHC	n/a	=	86	%	EPA 608	-88	-88	37	122	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	delta-BHC	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	delta-BHC	n/a	=	0.11	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	delta-BHC	n/a	=	110	%	EPA 608	-88	-88	51	123	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	delta-BHC	n/a	=	0.0937	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	delta-BHC	n/a	=	94	%	EPA 608	-88	-88	51	123	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	delta-BHC	n/a	=	0.0912	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	delta-BHC	n/a	=	91	%	EPA 608	-88	-88	51	123	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	delta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	delta-BHC	n/a	=	0.0963	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	delta-BHC	n/a	=	96	%	EPA 608	-88	-88	51	123	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	delta-BHC	n/a	=	0.0967	µg/L	EPA 608	0.0025	0.005			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	delta-BHC	n/a	=	97	%	EPA 608	-88	-88	51	123	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	delta-BHC	n/a	=	0.4	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Demeton-O	n/a	=	0.0326	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Demeton-O	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Demeton-O	n/a	=	0.0227	µg/L	EPA 525.2m	0.01	0.01			EST
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Demeton-O	n/a	=	45	%	EPA 525.2m	-88	-88	0.1	208	EST
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Demeton-O	n/a	=	36	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Demeton-O	n/a	=	0.0306	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Demeton-O	n/a	=	61	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Demeton-O	n/a	=	0.0377	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Demeton-O	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Demeton-O	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Demeton-O	n/a	=	0.057	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Demeton-O	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Demeton-O	n/a	=	0.043	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Demeton-O	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	208	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Demeton-O	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Demeton-O	n/a	=	0.0294	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Demeton-O	n/a	=	59	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Demeton-O	n/a	=	0.0263	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Demeton-O	n/a	=	53	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Demeton-O	n/a	=	0.026	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Demeton-O	n/a	=	52	%	EPA 525.2m	-88	-88	0.1	211	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Demeton-S	n/a	=	0.0219	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Demeton-S	n/a	=	44	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Demeton-S	n/a	=	0.0164	µg/L	EPA 525.2m	0.01	0.01			EST
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Demeton-S	n/a	=	33	%	EPA 525.2m	-88	-88	0.1	207	EST
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Demeton-S	n/a	=	29	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Demeton-S	n/a	=	0.0509	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Demeton-S	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Demeton-S	n/a	=	0.0521	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Demeton-S	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Demeton-S	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Demeton-S	n/a	=	0.0671	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Demeton-S	n/a	=	134	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Demeton-S	n/a	=	0.0719	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Demeton-S	n/a	=	144	%	EPA 525.2m	-88	-88	0.1	207	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Demeton-S	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Demeton-S	n/a	=	0.0364	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Demeton-S	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Demeton-S	n/a	=	0.0427	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Demeton-S	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Demeton-S	n/a	=	0.0432	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Demeton-S	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	213	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Diazinon	n/a	=	0.0869	µg/L	EPA 525.2m	0.0052	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Diazinon	n/a	=	174	%	EPA 525.2m	-88	-88	36	153	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Diazinon	n/a	=	0.112	µg/L	EPA 525.2m	0.0052	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Diazinon	n/a	=	224	%	EPA 525.2m	-88	-88	36	153	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Diazinon	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Diazinon	n/a	=	0.0426	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Diazinon	n/a	=	85	%	EPA 525.2m	-88	-88	36	153	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Diazinon	n/a	=	0.0478	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2m	-88	-88	36	153	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Diazinon	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Diazinon	n/a	=	0.0438	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Diazinon	n/a	=	88	%	EPA 525.2m	-88	-88	36	153	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Diazinon	n/a	=	0.0475	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2m	-88	-88	36	153	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Diazinon	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Diazinon	n/a	=	4.87	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Diazinon	n/a	=	97	%	EPA 525.2	-88	-88	30	120	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Diazinon	n/a	=	4.81	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2	-88	-88	30	120	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Diazinon	n/a	=	1	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Diazinon	n/a	DNQ	0.0069	µg/L	EPA 525.2m	0.0052	0.01			IP
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Diazinon	n/a	=	0.0495	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Diazinon	n/a	=	99	%	EPA 525.2m	-88	-88	43	152	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Diazinon	n/a	=	0.0395	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Diazinon	n/a	=	79	%	EPA 525.2m	-88	-88	43	152	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Diazinon	n/a	=	4.98	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Diazinon	n/a	=	100	%	EPA 525.2	-88	-88	30	120	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Diazinon	n/a	=	4.95	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Diazinon	n/a	=	99	%	EPA 525.2	-88	-88	30	120	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Diazinon	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Diazinon	n/a	=	0.0383	µg/L	EPA 525.2m	0.0052	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Diazinon	n/a	=	77	%	EPA 525.2m	-88	-88	43	152	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Diazinon	n/a	=	4.98	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Diazinon	n/a	=	100	%	EPA 525.2	-88	-88	30	120	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Diazinon	n/a	=	5.09	µg/L	EPA 525.2	0.096	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Diazinon	n/a	=	102	%	EPA 525.2	-88	-88	30	120	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Diazinon	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dicamba	n/a	=	9.81	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dicamba	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dicamba	n/a	=	10.1	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dicamba	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dicamba	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dicamba	n/a	=	9.66	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dicamba	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dicamba	n/a	=	9.73	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dicamba	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dicamba	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dicamba	n/a	=	8.19	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dicamba	n/a	=	8.44	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dicamba	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dicamba	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dicamba	n/a	=	7.99	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dicamba	n/a	=	8.13	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Dicamba	n/a	=	8.65	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Dicamba	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Dicamba	n/a	=	8.65	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Dicamba	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Dicamba	n/a	=	0.03	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Dicamba	n/a	=	9.7	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Dicamba	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dicamba	n/a	=	8.13	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dicamba	n/a	=	7.95	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dicamba	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dicamba	n/a	=	8.17	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Dicamba	n/a	=	8.57	µg/L	EPA 515.3	0.12	0.6			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Dicamba	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dichlorprop	n/a	=	9.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dichlorprop	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dichlorprop	n/a	=	9.24	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dichlorprop	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dichlorprop	n/a	=	10.2	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dichlorprop	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dichlorprop	n/a	=	10.1	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dichlorprop	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dichlorprop	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dichlorprop	n/a	=	8.5	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dichlorprop	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dichlorprop	n/a	=	8.76	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dichlorprop	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dichlorprop	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dichlorprop	n/a	=	8.18	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dichlorprop	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dichlorprop	n/a	=	8.25	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dichlorprop	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Dichlorprop	n/a	=	9.25	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Dichlorprop	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Dichlorprop	n/a	=	8.96	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Dichlorprop	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Dichlorprop	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Dichlorprop	n/a	=	10.1	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Dichlorprop	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dichlorprop	n/a	=	8.46	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dichlorprop	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dichlorprop	n/a	=	7.98	µg/L	EPA 515.3	0.08	0.3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dichlorprop	n/a	=	8.03	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Dichlorprop	n/a	=	8.8	µg/L	EPA 515.3	0.08	0.3			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Dichlorprop	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Dichlorvos	n/a	=	0.0668	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Dichlorvos	n/a	=	134	%	EPA 525.2m	-88	-88	42	137	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Dichlorvos	n/a	=	0.0882	µg/L	EPA 525.2m	0.0029	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Dichlorvos	n/a	=	176	%	EPA 525.2m	-88	-88	42	137	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Dichlorvos	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Dichlorvos	n/a	=	0.0564	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Dichlorvos	n/a	=	113	%	EPA 525.2m	-88	-88	42	137	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Dichlorvos	n/a	=	0.0557	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Dichlorvos	n/a	=	111	%	EPA 525.2m	-88	-88	42	137	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Dichlorvos	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Dichlorvos	n/a	=	0.0566	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Dichlorvos	n/a	=	113	%	EPA 525.2m	-88	-88	42	137	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Dichlorvos	n/a	=	0.059	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Dichlorvos	n/a	=	118	%	EPA 525.2m	-88	-88	42	137	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Dichlorvos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Dichlorvos	n/a	=	0.0484	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Dichlorvos	n/a	=	97	%	EPA 525.2m	-88	-88	46	133	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dichlorvos	n/a	=	0.0521	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dichlorvos	n/a	=	104	%	EPA 525.2m	-88	-88	46	133	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Dichlorvos	n/a	=	0.0478	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Dichlorvos	n/a	=	96	%	EPA 525.2m	-88	-88	46	133	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Dieldrin	n/a	=	0.0888	µg/L	EPA 608	0.0042	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Dieldrin	n/a	=	89	%	EPA 608	-88	-88	27	132	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Dieldrin	n/a	=	0.0837	µg/L	EPA 608	0.0042	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Dieldrin	n/a	=	84	%	EPA 608	-88	-88	27	132	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Dieldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Dieldrin	n/a	=	0.107	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Dieldrin	n/a	=	107	%	EPA 608	-88	-88	48	123	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Dieldrin	n/a	=	0.0944	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Dieldrin	n/a	=	94	%	EPA 608	-88	-88	48	123	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Dieldrin	n/a	=	0.0947	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Dieldrin	n/a	=	95	%	EPA 608	-88	-88	48	123	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Dieldrin	n/a	=	0.3	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Dieldrin	n/a	=	0.102	µg/L	EPA 608	0.0021	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Dieldrin	n/a	=	102	%	EPA 608	-88	-88	48	123	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Dieldrin	n/a	=	0.105	µg/L	EPA 608	0.0021	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Dieldrin	n/a	=	105	%	EPA 608	-88	-88	48	123	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Dieldrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Dimethoate	n/a	=	0.146	µg/L	EPA 525.2m	0.0062	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Dimethoate	n/a	=	291	%	EPA 525.2m	-88	-88	4	222	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Dimethoate	n/a	=	0.168	µg/L	EPA 525.2m	0.0062	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Dimethoate	n/a	=	335	%	EPA 525.2m	-88	-88	4	222	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Dimethoate	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Dimethoate	n/a	=	0.0614	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Dimethoate	n/a	=	123	%	EPA 525.2m	-88	-88	4	222	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Dimethoate	n/a	=	0.0643	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Dimethoate	n/a	=	129	%	EPA 525.2m	-88	-88	4	222	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Dimethoate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Dimethoate	n/a	=	0.0791	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Dimethoate	n/a	=	158	%	EPA 525.2m	-88	-88	4	222	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Dimethoate	n/a	=	0.0862	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Dimethoate	n/a	=	172	%	EPA 525.2m	-88	-88	4	222	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Dimethoate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Dimethoate	n/a	=	3.35	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Dimethoate	n/a	=	67	%	EPA 525.2	-88	-88	38	102	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Dimethoate	n/a	=	3.29	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Dimethoate	n/a	=	66	%	EPA 525.2	-88	-88	38	102	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Dimethoate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Dimethoate	n/a	=	0.0331	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Dimethoate	n/a	=	66	%	EPA 525.2m	-88	-88	10	234	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dimethoate	n/a	=	0.0489	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dimethoate	n/a	=	98	%	EPA 525.2m	-88	-88	10	234	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dimethoate	n/a	=	3.71	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dimethoate	n/a	=	74	%	EPA 525.2	-88	-88	38	102	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Dimethoate	n/a	=	3.69	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Dimethoate	n/a	=	74	%	EPA 525.2	-88	-88	38	102	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Dimethoate	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Dimethoate	n/a	=	0.0473	µg/L	EPA 525.2m	0.0062	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Dimethoate	n/a	=	95	%	EPA 525.2m	-88	-88	10	234	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Dimethoate	n/a	=	4.36	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Dimethoate	n/a	=	87	%	EPA 525.2	-88	-88	38	102	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Dimethoate	n/a	=	4	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Dimethoate	n/a	=	80	%	EPA 525.2	-88	-88	38	102	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Dimethoate	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dinoseb	n/a	=	5.11	µg/L	EPA 515.3	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dinoseb	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dinoseb	n/a	=	4.88	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dinoseb	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dinoseb	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Dinoseb	n/a	=	4.65	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Dinoseb	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Dinoseb	n/a	=	4.78	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Dinoseb	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Dinoseb	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dinoseb	n/a	=	4.17	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dinoseb	n/a	=	4.33	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dinoseb	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dinoseb	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Dinoseb	n/a	=	4.2	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Dinoseb	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Dinoseb	n/a	=	4.12	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Dinoseb	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Dinoseb	n/a	=	4.26	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Dinoseb	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Dinoseb	n/a	=	4.39	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Dinoseb	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Dinoseb	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Dinoseb	n/a	=	4.75	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Dinoseb	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dinoseb	n/a	=	4.22	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dinoseb	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Dinoseb	n/a	=	4.18	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Dinoseb	n/a	=	4.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Dinoseb	n/a	=	4.27	µg/L	EPA 515.3	0.14	0.4			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Dinoseb	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Diphenamid	n/a	=	5.39	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Diphenamid	n/a	=	108	%	EPA 525.2	-88	-88	77	124	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Diphenamid	n/a	=	5.49	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Diphenamid	n/a	=	110	%	EPA 525.2	-88	-88	77	124	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Diphenamid	n/a	=	5.2	µg/L	EPA 525.2	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Diphenamid	n/a	=	104	%	EPA 525.2	-88	-88	77	124	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Diphenamid	n/a	=	5.28	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Diphenamid	n/a	=	106	%	EPA 525.2	-88	-88	77	124	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Diphenamid	n/a	=	5.53	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Diphenamid	n/a	=	111	%	EPA 525.2	-88	-88	77	124	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Diphenamid	n/a	=	5.46	µg/L	EPA 525.2	0.024	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Diphenamid	n/a	=	109	%	EPA 525.2	-88	-88	77	124	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Disulfoton	n/a	=	0.0139	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Disulfoton	n/a	=	28	%	EPA 525.2m	-88	-88	12	199	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Disulfoton	n/a	=	0	%	EPA 525.2m	-88	-88	12	199	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Disulfoton	n/a	=	200	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Disulfoton	n/a	=	0.0384	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Disulfoton	n/a	=	77	%	EPA 525.2m	-88	-88	12	199	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Disulfoton	n/a	=	0.0388	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Disulfoton	n/a	=	78	%	EPA 525.2m	-88	-88	12	199	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Disulfoton	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Disulfoton	n/a	=	0.0577	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Disulfoton	n/a	=	115	%	EPA 525.2m	-88	-88	12	199	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Disulfoton	n/a	=	0.0567	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Disulfoton	n/a	=	113	%	EPA 525.2m	-88	-88	12	199	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Disulfoton	n/a	=	3.61	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2	-88	-88	54	156	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Disulfoton	n/a	=	3.81	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Disulfoton	n/a	=	76	%	EPA 525.2	-88	-88	54	156	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Disulfoton	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Disulfoton	n/a	=	0.0359	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Disulfoton	n/a	=	0.0328	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Disulfoton	n/a	=	66	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Disulfoton	n/a	=	3.88	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Disulfoton	n/a	=	78	%	EPA 525.2	-88	-88	54	156	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Disulfoton	n/a	=	3.65	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Disulfoton	n/a	=	73	%	EPA 525.2	-88	-88	54	156	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Disulfoton	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Disulfoton	n/a	=	0.0285	µg/L	EPA 525.2m	0.01	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Disulfoton	n/a	=	57	%	EPA 525.2m	-88	-88	0.1	212	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Disulfoton	n/a	=	3.63	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Disulfoton	n/a	=	73	%	EPA 525.2	-88	-88	54	156	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Disulfoton	n/a	=	4.82	µg/L	EPA 525.2	0.031	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Disulfoton	n/a	=	96	%	EPA 525.2	-88	-88	54	156	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Disulfoton	n/a	=	28	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Endosulfan I	n/a	=	0.0835	µg/L	EPA 608	0.0034	0.04			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Endosulfan I	n/a	=	83	%	EPA 608	-88	-88	0.1	140	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Endosulfan I	n/a	=	0.0783	µg/L	EPA 608	0.0034	0.04			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Endosulfan I	n/a	=	78	%	EPA 608	-88	-88	0.1	140	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Endosulfan I	n/a	=	6	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Endosulfan I	n/a	=	0.101	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Endosulfan I	n/a	=	101	%	EPA 608	-88	-88	14	131	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Endosulfan I	n/a	=	0.085	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Endosulfan I	n/a	=	85	%	EPA 608	-88	-88	14	131	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Endosulfan I	n/a	=	0.0846	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Endosulfan I	n/a	=	85	%	EPA 608	-88	-88	14	131	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Endosulfan I	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Endosulfan I	n/a	=	0.0914	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Endosulfan I	n/a	=	91	%	EPA 608	-88	-88	14	131	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Endosulfan I	n/a	=	0.0944	µg/L	EPA 608	0.0017	0.02			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Endosulfan I	n/a	=	94	%	EPA 608	-88	-88	14	131	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Endosulfan I	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Endosulfan II	n/a	=	0.0885	µg/L	EPA 608	0.0038	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Endosulfan II	n/a	=	89	%	EPA 608	-88	-88	17	122	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Endosulfan II	n/a	=	0.0869	µg/L	EPA 608	0.0038	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Endosulfan II	n/a	=	87	%	EPA 608	-88	-88	17	122	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Endosulfan II	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Endosulfan II	n/a	=	0.107	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Endosulfan II	n/a	=	107	%	EPA 608	-88	-88	40	121	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Endosulfan II	n/a	=	0.0896	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Endosulfan II	n/a	=	90	%	EPA 608	-88	-88	40	121	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Endosulfan II	n/a	=	0.0903	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Endosulfan II	n/a	=	90	%	EPA 608	-88	-88	40	121	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Endosulfan II	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Endosulfan II	n/a	=	0.0977	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Endosulfan II	n/a	=	98	%	EPA 608	-88	-88	40	121	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Endosulfan II	n/a	=	0.0985	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Endosulfan II	n/a	=	99	%	EPA 608	-88	-88	40	121	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Endosulfan II	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0769	µg/L	EPA 608	0.016	0.1			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Endosulfan sulfate	n/a	=	77	%	EPA 608	-88	-88	37	131	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0715	µg/L	EPA 608	0.016	0.1			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Endosulfan sulfate	n/a	=	71	%	EPA 608	-88	-88	37	131	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Endosulfan sulfate	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Endosulfan sulfate	n/a	=	0.101	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Endosulfan sulfate	n/a	=	101	%	EPA 608	-88	-88	44	140	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0792	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Endosulfan sulfate	n/a	=	79	%	EPA 608	-88	-88	44	140	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0789	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Endosulfan sulfate	n/a	=	79	%	EPA 608	-88	-88	44	140	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Endosulfan sulfate	n/a	=	0.4	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0864	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Endosulfan sulfate	n/a	=	86	%	EPA 608	-88	-88	44	140	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Endosulfan sulfate	n/a	=	0.0951	µg/L	EPA 608	0.008	0.05			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Endosulfan sulfate	n/a	=	95	%	EPA 608	-88	-88	44	140	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Endosulfan sulfate	n/a	=	10	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Endrin	n/a	=	0.108	µg/L	EPA 608	0.0056	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Endrin	n/a	=	108	%	EPA 608	-88	-88	42	144	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Endrin	n/a	=	0.101	µg/L	EPA 608	0.0056	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Endrin	n/a	=	101	%	EPA 608	-88	-88	42	144	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Endrin	n/a	=	7	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Endrin	n/a	=	0.118	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Endrin	n/a	=	118	%	EPA 608	-88	-88	40	143	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Endrin	n/a	=	0.0995	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Endrin	n/a	=	99	%	EPA 608	-88	-88	40	143	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Endrin	n/a	=	0.0969	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Endrin	n/a	=	97	%	EPA 608	-88	-88	40	143	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Endrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Endrin	n/a	=	0.106	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Endrin	n/a	=	106	%	EPA 608	-88	-88	40	143	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Endrin	n/a	=	0.105	µg/L	EPA 608	0.0028	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Endrin	n/a	=	105	%	EPA 608	-88	-88	40	143	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Endrin	n/a	=	0.6	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	0.0666	µg/L	EPA 608	0.006	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	67	%	EPA 608	-88	-88	11	113	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	0.0635	µg/L	EPA 608	0.006	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	63	%	EPA 608	-88	-88	11	113	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	0.102	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Endrin aldehyde	n/a	=	102	%	EPA 608	-88	-88	18	136	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Endrin aldehyde	n/a	=	0.0895	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Endrin aldehyde	n/a	=	90	%	EPA 608	-88	-88	18	136	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Endrin aldehyde	n/a	=	0.0915	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Endrin aldehyde	n/a	=	92	%	EPA 608	-88	-88	18	136	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Endrin aldehyde	n/a	=	2	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Endrin aldehyde	n/a	=	0.0904	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Endrin aldehyde	n/a	=	90	%	EPA 608	-88	-88	18	136	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Endrin aldehyde	n/a	=	0.0893	µg/L	EPA 608	0.003	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Endrin aldehyde	n/a	=	89	%	EPA 608	-88	-88	18	136	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Endrin aldehyde	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	EPTC	n/a	=	5.26	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	EPTC	n/a	=	105	%	EPA 525.2	-88	-88	82	116	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	EPTC	n/a	=	5.38	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	EPTC	n/a	=	108	%	EPA 525.2	-88	-88	82	116	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	EPTC	n/a	=	5.17	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	82	116	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	EPTC	n/a	=	5.28	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	EPTC	n/a	=	106	%	EPA 525.2	-88	-88	82	116	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	EPTC	n/a	=	5.5	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	EPTC	n/a	=	110	%	EPA 525.2	-88	-88	82	116	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	EPTC	n/a	=	5.4	µg/L	EPA 525.2	0.017	1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	EPTC	n/a	=	108	%	EPA 525.2	-88	-88	82	116	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Ethoprop	n/a	=	0.0977	µg/L	EPA 525.2m	0.0067	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Ethoprop	n/a	=	195	%	EPA 525.2m	-88	-88	51	167	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Ethoprop	n/a	=	0.138	µg/L	EPA 525.2m	0.0067	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Ethoprop	n/a	=	275	%	EPA 525.2m	-88	-88	51	167	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Ethoprop	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Ethoprop	n/a	=	0.048	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Ethoprop	n/a	=	96	%	EPA 525.2m	-88	-88	51	167	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Ethoprop	n/a	=	0.0467	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Ethoprop	n/a	=	93	%	EPA 525.2m	-88	-88	51	167	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Ethoprop	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Ethoprop	n/a	=	0.0555	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Ethoprop	n/a	=	111	%	EPA 525.2m	-88	-88	51	167	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Ethoprop	n/a	=	0.0565	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Ethoprop	n/a	=	113	%	EPA 525.2m	-88	-88	51	167	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Ethoprop	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Ethoprop	n/a	=	0.0515	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Ethoprop	n/a	=	103	%	EPA 525.2m	-88	-88	53	163	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Ethoprop	n/a	=	0.0432	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Ethoprop	n/a	=	86	%	EPA 525.2m	-88	-88	53	163	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Ethoprop	n/a	=	0.0421	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Ethoprop	n/a	=	84	%	EPA 525.2m	-88	-88	53	163	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Ethyl parathion	n/a	=	0.136	µg/L	EPA 525.2m	0.0054	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Ethyl parathion	n/a	=	272	%	EPA 525.2m	-88	-88	5	229	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Ethyl parathion	n/a	=	0.189	µg/L	EPA 525.2m	0.0054	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Ethyl parathion	n/a	=	378	%	EPA 525.2m	-88	-88	5	229	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Ethyl parathion	n/a	=	32	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Ethyl parathion	n/a	=	0.0603	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Ethyl parathion	n/a	=	121	%	EPA 525.2m	-88	-88	5	229	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Ethyl parathion	n/a	=	0.0626	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Ethyl parathion	n/a	=	125	%	EPA 525.2m	-88	-88	5	229	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Ethyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Ethyl parathion	n/a	=	0.0877	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Ethyl parathion	n/a	=	175	%	EPA 525.2m	-88	-88	5	229	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Ethyl parathion	n/a	=	0.0851	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Ethyl parathion	n/a	=	170	%	EPA 525.2m	-88	-88	5	229	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Ethyl parathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Ethyl parathion	n/a	=	0.0697	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Ethyl parathion	n/a	=	139	%	EPA 525.2m	-88	-88	7	230	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Ethyl parathion	n/a	=	0.0546	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Ethyl parathion	n/a	=	109	%	EPA 525.2m	-88	-88	7	230	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Ethyl parathion	n/a	=	0.058	µg/L	EPA 525.2m	0.0054	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Ethyl parathion	n/a	=	116	%	EPA 525.2m	-88	-88	7	230	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Fensulfothion	n/a	=	0.068	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Fensulfothion	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Fensulfothion	n/a	=	0.0682	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Fensulfothion	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Fensulfothion	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Fensulfothion	n/a	=	0.0591	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Fensulfothion	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Fensulfothion	n/a	=	0.0597	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Fensulfothion	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Fensulfothion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Fensulfothion	n/a	=	0.048	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Fensulfothion	n/a	=	96	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Fensulfothion	n/a	=	0.0542	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Fensulfothion	n/a	=	108	%	EPA 525.2m	-88	-88	0.1	316	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Fensulfothion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Fensulfothion	n/a	=	0.0216	µg/L	EPA 525.2m	0.0029	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Fensulfothion	n/a	=	43	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Fensulfothion	n/a	DNQ	0.0042	µg/L	EPA 525.2m	0.0029	0.01			IP
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Fensulfothion	n/a	=	0.0446	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Fensulfothion	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Fensulfothion	n/a	=	0.0527	µg/L	EPA 525.2m	0.0029	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Fensulfothion	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	265	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Fenthion	n/a	=	0.0393	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Fenthion	n/a	=	79	%	EPA 525.2m	-88	-88	23	169	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Fenthion	n/a	=	0.038	µg/L	EPA 525.2m	0.0038	0.01			EST
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Fenthion	n/a	=	76	%	EPA 525.2m	-88	-88	23	169	EST
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Fenthion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Fenthion	n/a	=	0.0472	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Fenthion	n/a	=	94	%	EPA 525.2m	-88	-88	23	169	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Fenthion	n/a	=	0.0469	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Fenthion	n/a	=	94	%	EPA 525.2m	-88	-88	23	169	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Fenthion	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Fenthion	n/a	=	0.0697	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Fenthion	n/a	=	139	%	EPA 525.2m	-88	-88	23	169	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Fenthion	n/a	=	0.0653	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Fenthion	n/a	=	131	%	EPA 525.2m	-88	-88	23	169	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Fenthion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Fenthion	n/a	=	0.0428	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Fenthion	n/a	=	86	%	EPA 525.2m	-88	-88	20	177	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Fenthion	n/a	=	0.0411	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Fenthion	n/a	=	82	%	EPA 525.2m	-88	-88	20	177	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Fenthion	n/a	=	0.0375	µg/L	EPA 525.2m	0.0038	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Fenthion	n/a	=	75	%	EPA 525.2m	-88	-88	20	177	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0712	µg/L	EPA 608	0.0042	0.04			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	71	%	EPA 608	-88	-88	33	112	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0683	µg/L	EPA 608	0.0042	0.04			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	68	%	EPA 608	-88	-88	33	112	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0971	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	97	%	EPA 608	-88	-88	49	117	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0854	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	85	%	EPA 608	-88	-88	49	117	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.083	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	83	%	EPA 608	-88	-88	49	117	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0931	µg/L	EPA 608	0.0021	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	93	%	EPA 608	-88	-88	49	117	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0957	µg/L	EPA 608	0.0021	0.02			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	96	%	EPA 608	-88	-88	49	117	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	gamma-BHC (Lindane)	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-6	Lab	method blank	6/2/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-6	Lab	method blank	6/6/2017	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2016/17-6	000NONPJ	matrix spike	5/10/2017	Pesticide	Glyphosate	n/a	=	20.5	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Pesticide	Glyphosate	n/a	=	82	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Pesticide	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Pesticide	Glyphosate	n/a	=	80	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Pesticide	Glyphosate	n/a	=	2	%	EPA 547	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/10/2017	Pesticide	Glyphosate	n/a	=	19.4	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike, rec	5/10/2017	Pesticide	Glyphosate	n/a	=	78	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike dup	5/10/2017	Pesticide	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/10/2017	Pesticide	Glyphosate	n/a	=	80	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike, RPD	5/10/2017	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/22/2017	Pesticide	Glyphosate	n/a	=	26	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike, rec	5/22/2017	Pesticide	Glyphosate	n/a	=	104	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike dup	5/22/2017	Pesticide	Glyphosate	n/a	=	26.1	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/22/2017	Pesticide	Glyphosate	n/a	=	105	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike, RPD	5/22/2017	Pesticide	Glyphosate	n/a	=	0.4	%	EPA 547	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Glyphosate	n/a	=	24	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Glyphosate	n/a	=	96	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Glyphosate	n/a	=	22.9	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Glyphosate	n/a	=	5	%	EPA 547	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Glyphosate	n/a	=	24.5	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Glyphosate	n/a	=	85	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Glyphosate	n/a	=	24	µg/L	EPA 547	1.8	5			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Glyphosate	n/a	=	83	%	EPA 547	-88	-88	41	149	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Glyphosate	n/a	=	2	%	EPA 547	-88	-88	0	30	
2016/17-6	Lab	method blank	5/10/2017	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-6	Lab	LCS	5/10/2017	Pesticide	Glyphosate	n/a	=	21.6	µg/L	EPA 547	1.8	5			
2016/17-6	Lab	LCS, rec	5/10/2017	Pesticide	Glyphosate	n/a	=	86	%	EPA 547	-88	-88	62	130	
2016/17-6	Lab	method blank	5/22/2017	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-6	Lab	LCS	5/22/2017	Pesticide	Glyphosate	n/a	=	24.9	µg/L	EPA 547	1.8	5			
2016/17-6	Lab	LCS, rec	5/22/2017	Pesticide	Glyphosate	n/a	=	100	%	EPA 547	-88	-88	62	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Glyphosate	n/a	=	22.9	µg/L	EPA 547	1.8	5			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	62	130	
2016/17-6	ME-CC	matrix spike	5/22/2017	Pesticide	Glyphosate	n/a	=	25.2	µg/L	EPA 547	1.8	5			
2016/17-6	ME-CC	matrix spike, rec	5/22/2017	Pesticide	Glyphosate	n/a	=	101	%	EPA 547	-88	-88	41	149	
2016/17-6	ME-CC	matrix spike dup	5/22/2017	Pesticide	Glyphosate	n/a	=	28.1	µg/L	EPA 547	1.8	5			
2016/17-6	ME-CC	matrix spike dup, rec	5/22/2017	Pesticide	Glyphosate	n/a	=	112	%	EPA 547	-88	-88	41	149	
2016/17-6	ME-CC	matrix spike, RPD	5/22/2017	Pesticide	Glyphosate	n/a	=	11	%	EPA 547	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Heptachlor	n/a	=	0.0774	µg/L	EPA 608	0.0034	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Heptachlor	n/a	=	77	%	EPA 608	-88	-88	28	131	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Heptachlor	n/a	=	0.0745	µg/L	EPA 608	0.0034	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Heptachlor	n/a	=	75	%	EPA 608	-88	-88	28	131	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Heptachlor	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Heptachlor	n/a	=	0.0959	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Heptachlor	n/a	=	96	%	EPA 608	-88	-88	31	130	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Heptachlor	n/a	=	0.0897	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Heptachlor	n/a	=	90	%	EPA 608	-88	-88	31	130	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Heptachlor	n/a	=	0.0856	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Heptachlor	n/a	=	86	%	EPA 608	-88	-88	31	130	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Heptachlor	n/a	=	0.098	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Heptachlor	n/a	=	98	%	EPA 608	-88	-88	31	130	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Heptachlor	n/a	=	0.103	µg/L	EPA 608	0.0017	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Heptachlor	n/a	=	103	%	EPA 608	-88	-88	31	130	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0865	µg/L	EPA 608	0.0038	0.02			
2016/17-6	000NONPJ	matrix spike, rec	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	86	%	EPA 608	-88	-88	36	117	
2016/17-6	000NONPJ	matrix spike dup	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0828	µg/L	EPA 608	0.0038	0.02			
2016/17-6	000NONPJ	matrix spike dup, rec	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	83	%	EPA 608	-88	-88	36	117	
2016/17-6	000NONPJ	matrix spike, RPD	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	4	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	0.104	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS, rec	5/19/2017	Pesticide	Heptachlor epoxide	n/a	=	104	%	EPA 608	-88	-88	49	122	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0924	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Heptachlor epoxide	n/a	=	92	%	EPA 608	-88	-88	49	122	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0914	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Heptachlor epoxide	n/a	=	91	%	EPA 608	-88	-88	49	122	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Heptachlor epoxide	n/a	=	1	%	EPA 608	-88	-88	0	30	
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS	6/6/2017	Pesticide	Heptachlor epoxide	n/a	=	0.0999	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS, rec	6/6/2017	Pesticide	Heptachlor epoxide	n/a	=	100	%	EPA 608	-88	-88	49	122	
2016/17-6	Lab	LCS dup	6/6/2017	Pesticide	Heptachlor epoxide	n/a	=	0.103	µg/L	EPA 608	0.0019	0.01			
2016/17-6	Lab	LCS dup, rec	6/6/2017	Pesticide	Heptachlor epoxide	n/a	=	103	%	EPA 608	-88	-88	49	122	
2016/17-6	Lab	LCS, RPD	6/6/2017	Pesticide	Heptachlor epoxide	n/a	=	3	%	EPA 608	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Malathion	n/a	=	0.114	µg/L	EPA 525.2m	0.0076	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Malathion	n/a	=	228	%	EPA 525.2m	-88	-88	6	184	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Malathion	n/a	=	0.166	µg/L	EPA 525.2m	0.0076	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Malathion	n/a	=	333	%	EPA 525.2m	-88	-88	6	184	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Malathion	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Malathion	n/a	=	0.0524	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Malathion	n/a	=	105	%	EPA 525.2m	-88	-88	6	184	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Malathion	n/a	=	0.0552	µg/L	EPA 525.2m	0.0076	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Malathion	n/a	=	110	%	EPA 525.2m	-88	-88	6	184	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Malathion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Malathion	n/a	=	0.0737	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Malathion	n/a	=	147	%	EPA 525.2m	-88	-88	6	184	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Malathion	n/a	=	0.0694	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Malathion	n/a	=	139	%	EPA 525.2m	-88	-88	6	184	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Malathion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Malathion	n/a	=	0.0541	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Malathion	n/a	=	108	%	EPA 525.2m	-88	-88	14	175	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Malathion	n/a	=	0.0456	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Malathion	n/a	=	91	%	EPA 525.2m	-88	-88	14	175	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Malathion	n/a	=	0.0482	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Malathion	n/a	=	96	%	EPA 525.2m	-88	-88	14	175	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Merphos	n/a	=	0.0509	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Merphos	n/a	=	102	%	EPA 525.2m	-88	-88	3	210	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Merphos	n/a	=	0.0625	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Merphos	n/a	=	125	%	EPA 525.2m	-88	-88	3	210	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Merphos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Merphos	n/a	=	0.0536	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Merphos	n/a	=	107	%	EPA 525.2m	-88	-88	3	210	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Merphos	n/a	=	0.0491	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Merphos	n/a	=	98	%	EPA 525.2m	-88	-88	3	210	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Merphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Merphos	n/a	=	0.034	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Merphos	n/a	=	68	%	EPA 525.2m	-88	-88	3	210	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Merphos	n/a	=	0.0378	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Merphos	n/a	=	76	%	EPA 525.2m	-88	-88	3	210	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Merphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Merphos	n/a	=	0.0491	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Merphos	n/a	=	98	%	EPA 525.2m	-88	-88	28	181	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Merphos	n/a	=	0.0503	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Merphos	n/a	=	101	%	EPA 525.2m	-88	-88	28	181	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Merphos	n/a	=	0.0545	µg/L	EPA 525.2m	0.0058	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Merphos	n/a	=	109	%	EPA 525.2m	-88	-88	28	181	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Methyl parathion	n/a	=	0.133	µg/L	EPA 525.2m	0.0063	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Methyl parathion	n/a	=	265	%	EPA 525.2m	-88	-88	0.1	249	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Methyl parathion	n/a	=	0.196	µg/L	EPA 525.2m	0.0063	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Methyl parathion	n/a	=	392	%	EPA 525.2m	-88	-88	0.1	249	EST,GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Methyl parathion	n/a	=	39	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Methyl parathion	n/a	=	0.0629	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Methyl parathion	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Methyl parathion	n/a	=	0.0639	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Methyl parathion	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Methyl parathion	n/a	=	0.0868	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Methyl parathion	n/a	=	174	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Methyl parathion	n/a	=	0.0841	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Methyl parathion	n/a	=	168	%	EPA 525.2m	-88	-88	0.1	249	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Methyl parathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Methyl parathion	n/a	=	0.0738	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Methyl parathion	n/a	=	148	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Methyl parathion	n/a	=	0.0579	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Methyl parathion	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Methyl parathion	n/a	=	0.0618	µg/L	EPA 525.2m	0.0063	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Methyl parathion	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	252	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Metolachlor	n/a	=	5.81	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Metolachlor	n/a	=	116	%	EPA 525.2	-88	-88	61	123	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Metolachlor	n/a	=	5.73	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Metolachlor	n/a	=	115	%	EPA 525.2	-88	-88	61	123	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Metolachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Metolachlor	n/a	=	5.66	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Metolachlor	n/a	=	113	%	EPA 525.2	-88	-88	61	123	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Metolachlor	n/a	=	5.67	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Metolachlor	n/a	=	113	%	EPA 525.2	-88	-88	61	123	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Metolachlor	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Metolachlor	n/a	=	6.14	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Metolachlor	n/a	=	123	%	EPA 525.2	-88	-88	61	123	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Metolachlor	n/a	=	5.93	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Metolachlor	n/a	=	119	%	EPA 525.2	-88	-88	61	123	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Metribuzin	n/a	=	5.26	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Metribuzin	n/a	=	105	%	EPA 525.2	-88	-88	50	121	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Metribuzin	n/a	=	5.42	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Metribuzin	n/a	=	108	%	EPA 525.2	-88	-88	50	121	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Metribuzin	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Metribuzin	n/a	=	5.2	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Metribuzin	n/a	=	104	%	EPA 525.2	-88	-88	50	121	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Metribuzin	n/a	=	5.3	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Metribuzin	n/a	=	106	%	EPA 525.2	-88	-88	50	121	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Metribuzin	n/a	=	5.82	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Metribuzin	n/a	=	116	%	EPA 525.2	-88	-88	50	121	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Metribuzin	n/a	=	5.84	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Metribuzin	n/a	=	117	%	EPA 525.2	-88	-88	50	121	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Metribuzin	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Mevinphos	n/a	=	0.111	µg/L	EPA 525.2m	0.0042	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Mevinphos	n/a	=	223	%	EPA 525.2m	-88	-88	25	189	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Mevinphos	n/a	=	0.165	µg/L	EPA 525.2m	0.0042	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Mevinphos	n/a	=	330	%	EPA 525.2m	-88	-88	25	189	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Mevinphos	n/a	=	39	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Mevinphos	n/a	=	0.0538	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Mevinphos	n/a	=	108	%	EPA 525.2m	-88	-88	25	189	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Mevinphos	n/a	=	0.048	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Mevinphos	n/a	=	96	%	EPA 525.2m	-88	-88	25	189	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Mevinphos	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Mevinphos	n/a	=	0.0552	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Mevinphos	n/a	=	110	%	EPA 525.2m	-88	-88	25	189	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Mevinphos	n/a	=	0.0684	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Mevinphos	n/a	=	137	%	EPA 525.2m	-88	-88	25	189	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Mevinphos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Mevinphos	n/a	=	0.0308	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Mevinphos	n/a	=	62	%	EPA 525.2m	-88	-88	14	202	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Mevinphos	n/a	=	0.0424	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Mevinphos	n/a	=	85	%	EPA 525.2m	-88	-88	14	202	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Mevinphos	n/a	=	0.0432	µg/L	EPA 525.2m	0.0042	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Mevinphos	n/a	=	86	%	EPA 525.2m	-88	-88	14	202	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Molinate	n/a	=	5.25	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Molinate	n/a	=	105	%	EPA 525.2	-88	-88	82	117	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Molinate	n/a	=	5.45	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	82	117	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Molinate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Molinate	n/a	=	5.23	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Molinate	n/a	=	105	%	EPA 525.2	-88	-88	82	117	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Molinate	n/a	=	5.29	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Molinate	n/a	=	106	%	EPA 525.2	-88	-88	82	117	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Molinate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Molinate	n/a	=	5.47	µg/L	EPA 525.2	0.039	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	82	117	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Molinate	n/a	=	5.56	µg/L	EPA 525.2	0.039	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Molinate	n/a	=	111	%	EPA 525.2	-88	-88	82	117	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Naled	n/a	=	0.665	µg/L	EPA 525.2m	0.0076	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Naled	n/a	=	1330	%	EPA 525.2m	-88	-88	0.1	242	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Naled	n/a	=	0.724	µg/L	EPA 525.2m	0.0076	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Naled	n/a	=	1450	%	EPA 525.2m	-88	-88	0.1	242	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Naled	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Naled	n/a	=	0.0282	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Naled	n/a	=	56	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Naled	n/a	=	0.0285	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Naled	n/a	=	57	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Naled	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Naled	n/a	=	0.0322	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Naled	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Naled	n/a	=	0.0304	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Naled	n/a	=	61	%	EPA 525.2m	-88	-88	0.1	242	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Naled	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Naled	n/a	=	0.0513	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Naled	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Naled	n/a	=	0.0255	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Naled	n/a	=	51	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Naled	n/a	=	0.0211	µg/L	EPA 525.2m	0.0076	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Naled	n/a	=	42	%	EPA 525.2m	-88	-88	0.1	240	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	4.79	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	4.73	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	4.77	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	4.81	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.16	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.32	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	1.09	µg/L	EPA 515.3	0.04	0.2			GB
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	27	%	EPA 515.3	-88	-88	70	130	GB
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	1.24	µg/L	EPA 515.3	0.04	0.2			GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	31	%	EPA 515.3	-88	-88	70	130	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	13	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	4.32	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	4.36	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	4.94	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Pentachlorophenol	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/13/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/13/2017	Pesticide	Pentachlorophenol	n/a	=	19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/13/2017	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 625	-88	-88	14	176	
2016/17-6	Lab	LCS dup	5/13/2017	Pesticide	Pentachlorophenol	n/a	=	17.2	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, RPD	5/13/2017	Pesticide	Pentachlorophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.17	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	4.06	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	7.48	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	29	106	
2016/17-6	Lab	LCS dup	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	8.19	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	82	%	EPA 8270C	-88	-88	29	106	
2016/17-6	Lab	LCS, RPD	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	8.48	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	29	106	
2016/17-6	Lab	LCS dup	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	8.81	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS dup, rec	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 8270C	-88	-88	29	106	
2016/17-6	Lab	LCS, RPD	5/23/2017	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Pentachlorophenol	n/a	=	4.12	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Pentachlorophenol	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	4.3	µg/L	EPA 515.3	0.04	0.2			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Pentachlorophenol	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/26/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/26/2017	Pesticide	Pentachlorophenol	n/a	=	21.3	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS, rec	5/26/2017	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 625	-88	-88	14	176	
2016/17-6	Lab	LCS dup	5/26/2017	Pesticide	Pentachlorophenol	n/a	=	20.9	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/26/2017	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 625	-88	-88	14	176	
2016/17-6	Lab	LCS, RPD	5/26/2017	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	5/31/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS	5/31/2017	Pesticide	Pentachlorophenol	n/a	=	20.8	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/31/2017	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 625	-88	-88	14	176	
2016/17-6	Lab	LCS dup	5/31/2017	Pesticide	Pentachlorophenol	n/a	=	21.3	µg/L	EPA 625	0.19	1			
2016/17-6	Lab	LCS dup, rec	5/31/2017	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 625	-88	-88	14	176	
2016/17-6	Lab	LCS, RPD	5/31/2017	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS	6/2/2017	Pesticide	Pentachlorophenol	n/a	=	4.53	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS, rec	6/2/2017	Pesticide	Pentachlorophenol	n/a	=	45	%	EPA 8270C	-88	-88	29	106	
2016/17-6	Lab	LCS dup	6/2/2017	Pesticide	Pentachlorophenol	n/a	=	4.9	µg/L	EPA 8270C	0.15	1			
2016/17-6	Lab	LCS dup, rec	6/2/2017	Pesticide	Pentachlorophenol	n/a	=	49	%	EPA 8270C	-88	-88	29	106	
2016/17-6	Lab	LCS, RPD	6/2/2017	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Phorate	n/a	=	0.0841	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Phorate	n/a	=	168	%	EPA 525.2m	-88	-88	31	181	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Phorate	n/a	=	0.101	µg/L	EPA 525.2m	0.003	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Phorate	n/a	=	201	%	EPA 525.2m	-88	-88	31	181	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Phorate	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	EST
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Phorate	n/a	=	0.0568	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Phorate	n/a	=	114	%	EPA 525.2m	-88	-88	31	181	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Phorate	n/a	=	0.0574	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Phorate	n/a	=	115	%	EPA 525.2m	-88	-88	31	181	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Phorate	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Phorate	n/a	=	0.0688	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Phorate	n/a	=	138	%	EPA 525.2m	-88	-88	31	181	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Phorate	n/a	=	0.0679	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Phorate	n/a	=	136	%	EPA 525.2m	-88	-88	31	181	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Phorate	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Phorate	n/a	=	0.0612	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Phorate	n/a	=	122	%	EPA 525.2m	-88	-88	26	180	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Phorate	n/a	=	0.0525	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Phorate	n/a	=	105	%	EPA 525.2m	-88	-88	26	180	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Phorate	n/a	=	0.0501	µg/L	EPA 525.2m	0.003	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Phorate	n/a	=	100	%	EPA 525.2m	-88	-88	26	180	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Picloram	n/a	=	4.68	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Picloram	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Picloram	n/a	=	4.65	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Picloram	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Picloram	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/12/2017	Pesticide	Picloram	n/a	=	5.04	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/12/2017	Pesticide	Picloram	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/12/2017	Pesticide	Picloram	n/a	=	4.83	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/12/2017	Pesticide	Picloram	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/12/2017	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Picloram	n/a	=	4.4	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Picloram	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Picloram	n/a	=	4.71	µg/L	EPA 515.3	0.05	0.6			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Picloram	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Picloram	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/23/2017	Pesticide	Picloram	n/a	=	4.63	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/23/2017	Pesticide	Picloram	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/23/2017	Pesticide	Picloram	n/a	=	4.46	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/23/2017	Pesticide	Picloram	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/23/2017	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Picloram	n/a	=	4.8	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Picloram	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Picloram	n/a	=	4.74	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Picloram	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Picloram	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2016/17-6	Lab	method blank	5/12/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS	5/12/2017	Pesticide	Picloram	n/a	=	4.93	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS, rec	5/12/2017	Pesticide	Picloram	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Picloram	n/a	=	4.48	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Picloram	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/23/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS	5/23/2017	Pesticide	Picloram	n/a	=	4.61	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS, rec	5/23/2017	Pesticide	Picloram	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Picloram	n/a	=	4.35	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Picloram	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Picloram	n/a	=	4.42	µg/L	EPA 515.3	0.05	0.6			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Picloram	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Prometon	n/a	=	2.02	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Prometon	n/a	=	40	%	EPA 525.2	-88	-88	17	101	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Prometon	n/a	=	2.35	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Prometon	n/a	=	47	%	EPA 525.2	-88	-88	17	101	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Prometon	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Prometon	n/a	=	2.28	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Prometon	n/a	=	46	%	EPA 525.2	-88	-88	17	101	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Prometon	n/a	=	2.48	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Prometon	n/a	=	50	%	EPA 525.2	-88	-88	17	101	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Prometon	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Prometon	n/a	=	2.7	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Prometon	n/a	=	54	%	EPA 525.2	-88	-88	17	101	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Prometon	n/a	=	2.39	µg/L	EPA 525.2	0.024	0.2			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Prometon	n/a	=	48	%	EPA 525.2	-88	-88	17	101	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Prometon	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Prometryn	n/a	=	4.06	µg/L	EPA 525.2	0.036	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Prometryn	n/a	=	81	%	EPA 525.2	-88	-88	57	122	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Prometryn	n/a	=	4.41	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Prometryn	n/a	=	88	%	EPA 525.2	-88	-88	57	122	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Prometryn	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Prometryn	n/a	=	4.41	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Prometryn	n/a	=	88	%	EPA 525.2	-88	-88	57	122	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Prometryn	n/a	=	4.34	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Prometryn	n/a	=	87	%	EPA 525.2	-88	-88	57	122	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Prometryn	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Prometryn	n/a	=	4.97	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Prometryn	n/a	=	99	%	EPA 525.2	-88	-88	57	122	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Prometryn	n/a	=	4.49	µg/L	EPA 525.2	0.036	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Prometryn	n/a	=	90	%	EPA 525.2	-88	-88	57	122	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Prometryn	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0991	µg/L	EPA 525.2m	0.0041	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	198	%	EPA 525.2m	-88	-88	29	153	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.15	µg/L	EPA 525.2m	0.0041	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	301	%	EPA 525.2m	-88	-88	29	153	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	41	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0614	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	123	%	EPA 525.2m	-88	-88	29	153	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0607	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	121	%	EPA 525.2m	-88	-88	29	153	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0716	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	143	%	EPA 525.2m	-88	-88	29	153	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0704	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	141	%	EPA 525.2m	-88	-88	29	153	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0676	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	135	%	EPA 525.2m	-88	-88	34	154	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0551	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	110	%	EPA 525.2m	-88	-88	34	154	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0553	µg/L	EPA 525.2m	0.0041	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Ronnel (Fenchlorphos)	n/a	=	111	%	EPA 525.2m	-88	-88	34	154	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Simazine	n/a	=	4.83	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Simazine	n/a	=	97	%	EPA 525.2	-88	-88	53	116	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Simazine	n/a	=	4.9	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Simazine	n/a	=	98	%	EPA 525.2	-88	-88	53	116	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Simazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Simazine	n/a	=	4.69	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Simazine	n/a	=	94	%	EPA 525.2	-88	-88	53	116	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Simazine	n/a	=	4.83	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Simazine	n/a	=	97	%	EPA 525.2	-88	-88	53	116	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Simazine	n/a	=	5.76	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Simazine	n/a	=	115	%	EPA 525.2	-88	-88	53	116	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Simazine	n/a	=	5.6	µg/L	EPA 525.2	0.015	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Simazine	n/a	=	112	%	EPA 525.2	-88	-88	53	116	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.139	µg/L	EPA 525.2m	0.0031	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	278	%	EPA 525.2m	-88	-88	0.1	167	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.197	µg/L	EPA 525.2m	0.0031	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	393	%	EPA 525.2m	-88	-88	0.1	167	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0698	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	140	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0801	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	160	%	EPA 525.2m	-88	-88	0.1	167	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0954	µg/L	EPA 525.2m	0.0031	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	191	%	EPA 525.2m	-88	-88	0.1	167	GB
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0846	µg/L	EPA 525.2m	0.0031	0.01			GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	169	%	EPA 525.2m	-88	-88	0.1	167	GB
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0751	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	150	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0615	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	123	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0634	µg/L	EPA 525.2m	0.0031	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	188	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Terbacil	n/a	=	5.04	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Terbacil	n/a	=	101	%	EPA 525.2	-88	-88	70	135	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Terbacil	n/a	=	5.29	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Terbacil	n/a	=	106	%	EPA 525.2	-88	-88	70	135	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Terbacil	n/a	=	4.46	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Terbacil	n/a	=	89	%	EPA 525.2	-88	-88	70	135	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Terbacil	n/a	=	4.4	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Terbacil	n/a	=	88	%	EPA 525.2	-88	-88	70	135	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Terbacil	n/a	=	1	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Terbacil	n/a	=	5.53	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Terbacil	n/a	=	111	%	EPA 525.2	-88	-88	70	135	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Terbacil	n/a	=	5.59	µg/L	EPA 525.2	0.55	2			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Terbacil	n/a	=	112	%	EPA 525.2	-88	-88	70	135	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Terbacil	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Thiobencarb	n/a	=	5.8	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Thiobencarb	n/a	=	116	%	EPA 525.2	-88	-88	56	125	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Thiobencarb	n/a	=	5.71	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Thiobencarb	n/a	=	114	%	EPA 525.2	-88	-88	56	125	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Thiobencarb	n/a	=	5.49	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Thiobencarb	n/a	=	110	%	EPA 525.2	-88	-88	56	125	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Thiobencarb	n/a	=	5.51	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Thiobencarb	n/a	=	110	%	EPA 525.2	-88	-88	56	125	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Thiobencarb	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Thiobencarb	n/a	=	6.07	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Thiobencarb	n/a	=	121	%	EPA 525.2	-88	-88	56	125	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Thiobencarb	n/a	=	5.97	µg/L	EPA 525.2	0.025	0.2			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Thiobencarb	n/a	=	119	%	EPA 525.2	-88	-88	56	125	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Tokuthion	n/a	=	0.0421	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Tokuthion	n/a	=	84	%	EPA 525.2m	-88	-88	27	160	
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Tokuthion	n/a	=	0.0485	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Tokuthion	n/a	=	97	%	EPA 525.2m	-88	-88	27	160	
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Tokuthion	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Tokuthion	n/a	=	0.0476	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Tokuthion	n/a	=	95	%	EPA 525.2m	-88	-88	27	160	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Tokuthion	n/a	=	0.0436	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Tokuthion	n/a	=	87	%	EPA 525.2m	-88	-88	27	160	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Tokuthion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Tokuthion	n/a	=	0.0373	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Tokuthion	n/a	=	75	%	EPA 525.2m	-88	-88	27	160	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Tokuthion	n/a	=	0.0422	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Tokuthion	n/a	=	84	%	EPA 525.2m	-88	-88	27	160	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Tokuthion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Tokuthion	n/a	=	0.0469	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Tokuthion	n/a	=	94	%	EPA 525.2m	-88	-88	23	159	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Tokuthion	n/a	=	0.0472	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Tokuthion	n/a	=	94	%	EPA 525.2m	-88	-88	23	159	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Tokuthion	n/a	=	0.0498	µg/L	EPA 525.2m	0.0078	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Tokuthion	n/a	=	100	%	EPA 525.2m	-88	-88	23	159	
2016/17-6	Lab	method blank	5/18/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-6	Lab	method blank	6/2/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-6	Lab	method blank	6/6/2017	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2016/17-6	000NONPJ	matrix spike	5/16/2017	Pesticide	Trichloronate	n/a	=	0.093	µg/L	EPA 525.2m	0.0067	0.01			GB
2016/17-6	000NONPJ	matrix spike, rec	5/16/2017	Pesticide	Trichloronate	n/a	=	186	%	EPA 525.2m	-88	-88	40	150	GB
2016/17-6	000NONPJ	matrix spike dup	5/16/2017	Pesticide	Trichloronate	n/a	=	0.14	µg/L	EPA 525.2m	0.0067	0.01			EST,GB
2016/17-6	000NONPJ	matrix spike dup, rec	5/16/2017	Pesticide	Trichloronate	n/a	=	280	%	EPA 525.2m	-88	-88	40	150	EST,GB
2016/17-6	000NONPJ	matrix spike, RPD	5/16/2017	Pesticide	Trichloronate	n/a	=	40	%	EPA 525.2m	-88	-88	0	30	EST,IL
2016/17-6	000NONPJ	matrix spike	5/24/2017	Pesticide	Trichloronate	n/a	=	0.0599	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/24/2017	Pesticide	Trichloronate	n/a	=	120	%	EPA 525.2m	-88	-88	40	150	
2016/17-6	000NONPJ	matrix spike dup	5/24/2017	Pesticide	Trichloronate	n/a	=	0.0617	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/24/2017	Pesticide	Trichloronate	n/a	=	123	%	EPA 525.2m	-88	-88	40	150	
2016/17-6	000NONPJ	matrix spike, RPD	5/24/2017	Pesticide	Trichloronate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	000NONPJ	matrix spike	5/25/2017	Pesticide	Trichloronate	n/a	=	0.0707	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike, rec	5/25/2017	Pesticide	Trichloronate	n/a	=	141	%	EPA 525.2m	-88	-88	40	150	
2016/17-6	000NONPJ	matrix spike dup	5/25/2017	Pesticide	Trichloronate	n/a	=	0.0679	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	000NONPJ	matrix spike dup, rec	5/25/2017	Pesticide	Trichloronate	n/a	=	136	%	EPA 525.2m	-88	-88	40	150	
2016/17-6	000NONPJ	matrix spike, RPD	5/25/2017	Pesticide	Trichloronate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2016/17-6	Lab	method blank	5/16/2017	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS	5/16/2017	Pesticide	Trichloronate	n/a	=	0.0698	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS, rec	5/16/2017	Pesticide	Trichloronate	n/a	=	140	%	EPA 525.2m	-88	-88	34	153	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Trichloronate	n/a	=	0.0574	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Trichloronate	n/a	=	115	%	EPA 525.2m	-88	-88	34	153	
2016/17-6	Lab	method blank	5/25/2017	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS	5/25/2017	Pesticide	Trichloronate	n/a	=	0.0577	µg/L	EPA 525.2m	0.0067	0.01			
2016/17-6	Lab	LCS, rec	5/25/2017	Pesticide	Trichloronate	n/a	=	115	%	EPA 525.2m	-88	-88	34	153	
2016/17-6	Lab	method blank	5/5/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS	5/5/2017	Pesticide	Trithion	n/a	=	5.34	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS, rec	5/5/2017	Pesticide	Trithion	n/a	=	107	%	EPA 525.2	-88	-88	60	124	
2016/17-6	Lab	LCS dup	5/5/2017	Pesticide	Trithion	n/a	=	5.25	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS dup, rec	5/5/2017	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	60	124	
2016/17-6	Lab	LCS, RPD	5/5/2017	Pesticide	Trithion	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	5/24/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS	5/24/2017	Pesticide	Trithion	n/a	=	5.21	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS, rec	5/24/2017	Pesticide	Trithion	n/a	=	104	%	EPA 525.2	-88	-88	60	124	
2016/17-6	Lab	LCS dup	5/24/2017	Pesticide	Trithion	n/a	=	5.07	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS dup, rec	5/24/2017	Pesticide	Trithion	n/a	=	101	%	EPA 525.2	-88	-88	60	124	
2016/17-6	Lab	LCS, RPD	5/24/2017	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2016/17-6	Lab	method blank	6/15/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS	6/15/2017	Pesticide	Trithion	n/a	=	5.71	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS, rec	6/15/2017	Pesticide	Trithion	n/a	=	114	%	EPA 525.2	-88	-88	60	124	
2016/17-6	Lab	LCS dup	6/15/2017	Pesticide	Trithion	n/a	=	5.7	µg/L	EPA 525.2	0.012	0.1			
2016/17-6	Lab	LCS dup, rec	6/15/2017	Pesticide	Trithion	n/a	=	114	%	EPA 525.2	-88	-88	60	124	
2016/17-6	Lab	LCS, RPD	6/15/2017	Pesticide	Trithion	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-PRE	lankwater-ultrapur	matrix spike	10/20/2016	Metal	Aluminum	Total	=	44	µg/L	EPA 200.8	1.3	5			
2016/17-PRE	lankwater-ultrapur	matrix spike, rec	10/20/2016	Metal	Aluminum	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike dup	10/20/2016	Metal	Aluminum	Total	=	45.4	µg/L	EPA 200.8	1.3	5			
2016/17-PRE	lankwater-ultrapur	matrix spike dup, rec	10/20/2016	Metal	Aluminum	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike, RPD	10/20/2016	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2016/17-PRE	Lab	method blank	10/20/2016	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2016/17-PRE	Lab	LCS	10/20/2016	Metal	Aluminum	Total	=	44.9	µg/L	EPA 200.8	1.3	5			
2016/17-PRE	Lab	LCS, rec	10/20/2016	Metal	Aluminum	Total	=	90	%	EPA 200.8	-88	-88	85	115	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-PRE	lankwater-ultrapur	matrix spike	10/20/2016	Metal	Chromium	Total	=	47.9	µg/L	EPA 200.8	0.035	0.2			
2016/17-PRE	lankwater-ultrapur	matrix spike, rec	10/20/2016	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike dup	10/20/2016	Metal	Chromium	Total	=	48.8	µg/L	EPA 200.8	0.035	0.2			
2016/17-PRE	lankwater-ultrapur	matrix spike dup, rec	10/20/2016	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike, RPD	10/20/2016	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2016/17-PRE	Lab	method blank	10/20/2016	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2016/17-PRE	Lab	LCS	10/20/2016	Metal	Chromium	Total	=	47.1	µg/L	EPA 200.8	0.035	0.2			
2016/17-PRE	Lab	LCS, rec	10/20/2016	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Copper	Total	=	4.5	µg/L	EPA 200.8	0.13	0.5			
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-PRE	lankwater-ultrapur	matrix spike	10/20/2016	Metal	Copper	Total	=	50.9	µg/L	EPA 200.8	0.13	0.5			
2016/17-PRE	lankwater-ultrapur	matrix spike, rec	10/20/2016	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike dup	10/20/2016	Metal	Copper	Total	=	51	µg/L	EPA 200.8	0.13	0.5			
2016/17-PRE	lankwater-ultrapur	matrix spike dup, rec	10/20/2016	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike, RPD	10/20/2016	Metal	Copper	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2016/17-PRE	Lab	method blank	10/20/2016	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2016/17-PRE	Lab	LCS	10/20/2016	Metal	Copper	Total	=	49.1	µg/L	EPA 200.8	0.13	0.5			
2016/17-PRE	Lab	LCS, rec	10/20/2016	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2016/17-PRE	000NONPJ	matrix spike	10/10/2016	Metal	Iron	Total	=	171	µg/L	EPA 200.7	1.1	10			
2016/17-PRE	000NONPJ	matrix spike, rec	10/10/2016	Metal	Iron	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2016/17-PRE	000NONPJ	matrix spike dup	10/10/2016	Metal	Iron	Total	=	172	µg/L	EPA 200.7	1.1	10			
2016/17-PRE	000NONPJ	matrix spike dup, rec	10/10/2016	Metal	Iron	Total	=	86	%	EPA 200.7	-88	-88	70	130	
2016/17-PRE	000NONPJ	matrix spike, RPD	10/10/2016	Metal	Iron	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2016/17-PRE	lankwater-ultrapur	equip blank	10/10/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-PRE	lankwater-ultrapur	equip blank	10/10/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-PRE	Lab	method blank	10/10/2016	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2016/17-PRE	Lab	LCS	10/10/2016	Metal	Iron	Total	=	172	µg/L	EPA 200.7	1.1	10			
2016/17-PRE	Lab	LCS, rec	10/10/2016	Metal	Iron	Total	=	86	%	EPA 200.7	-88	-88	85	115	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2016/17-PRE	lankwater-ultrapur	matrix spike	10/20/2016	Metal	Lead	Total	=	50.5	µg/L	EPA 200.8	0.031	0.2			
2016/17-PRE	lankwater-ultrapur	matrix spike, rec	10/20/2016	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike dup	10/20/2016	Metal	Lead	Total	=	51.1	µg/L	EPA 200.8	0.031	0.2			
2016/17-PRE	lankwater-ultrapur	matrix spike dup, rec	10/20/2016	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike, RPD	10/20/2016	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-PRE	Lab	method blank	10/20/2016	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2016/17-PRE	Lab	LCS	10/20/2016	Metal	Lead	Total	=	49.4	µg/L	EPA 200.8	0.031	0.2			
2016/17-PRE	Lab	LCS, rec	10/20/2016	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Nickel	Total	DNQ	0.18	µg/L	EPA 200.8	0.045	0.8			
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-PRE	lankwater-ultrapur	matrix spike	10/20/2016	Metal	Nickel	Total	=	50.3	µg/L	EPA 200.8	0.045	0.8			
2016/17-PRE	lankwater-ultrapur	matrix spike, rec	10/20/2016	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike dup	10/20/2016	Metal	Nickel	Total	=	50.8	µg/L	EPA 200.8	0.045	0.8			
2016/17-PRE	lankwater-ultrapur	matrix spike dup, rec	10/20/2016	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike, RPD	10/20/2016	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2016/17-PRE	Lab	method blank	10/20/2016	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2016/17-PRE	Lab	LCS	10/20/2016	Metal	Nickel	Total	=	48.7	µg/L	EPA 200.8	0.045	0.8			
2016/17-PRE	Lab	LCS, rec	10/20/2016	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Zinc	Total	DNQ	1.5	µg/L	EPA 200.8	0.94	5			
2016/17-PRE	lankwater-ultrapur	equip blank	10/20/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-PRE	lankwater-ultrapur	matrix spike	10/20/2016	Metal	Zinc	Total	=	53.2	µg/L	EPA 200.8	0.94	5			
2016/17-PRE	lankwater-ultrapur	matrix spike, rec	10/20/2016	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike dup	10/20/2016	Metal	Zinc	Total	=	53.1	µg/L	EPA 200.8	0.94	5			
2016/17-PRE	lankwater-ultrapur	matrix spike dup, rec	10/20/2016	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2016/17-PRE	lankwater-ultrapur	matrix spike, RPD	10/20/2016	Metal	Zinc	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2016/17-PRE	Lab	method blank	10/20/2016	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2016/17-PRE	Lab	LCS	10/20/2016	Metal	Zinc	Total	=	50.6	µg/L	EPA 200.8	0.94	5			
2016/17-PRE	Lab	LCS, rec	10/20/2016	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Aluminum	Total	DNQ	2.8	µg/L	EPA 200.8	1.3	5			IP,UL-MB
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Aluminum	Total	=	52.3	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Aluminum	Total	=	52.4	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Aluminum	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Aluminum	Total	DNQ	1.39	µg/L	EPA 200.8	1.3	5			IP
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Aluminum	Total	=	53.7	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Aluminum	Total	=	8.3	µg/L	EPA 200.8	1.3	5			IP,UL-MB
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Aluminum	Total	=	57.4	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Aluminum	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Aluminum	Total	=	58.6	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Antimony	Total	=	51.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Antimony	Total	=	52.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Antimony	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Antimony	Total	=	53.4	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Antimony	Total	=	51.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Antimony	Total	=	52.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Arsenic	Total	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Arsenic	Total	=	53.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Arsenic	Total	=	52.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Arsenic	Total	=	52.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	matrix spike	8/18/2017	Metal	Beryllium	Total	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/18/2017	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/18/2017	Metal	Beryllium	Total	=	48.8	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/18/2017	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/18/2017	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Lab	method blank	8/18/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Lab	LCS	8/18/2017	Metal	Beryllium	Total	=	49.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	matrix spike	8/18/2017	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/18/2017	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/18/2017	Metal	Beryllium	Total	=	49.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/18/2017	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/18/2017	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Cadmium	Total	=	51.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Cadmium	Total	=	51.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Cadmium	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Cadmium	Total	=	51.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Cadmium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Cadmium	Total	=	52.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Cadmium	Total	=	52.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Chromium	Total	=	47	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Chromium	Total	=	47.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Chromium	Total	=	47.7	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Chromium	Total	=	0.22	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Chromium	Total	=	48	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Chromium	Total	=	48.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Copper	Total	=	0.74	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Copper	Total	=	53	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Copper	Total	=	53.8	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Copper	Total	=	52.4	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Lab	method blank	8/18/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS	8/18/2017	Metal	Copper	Total	=	52.3	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Copper	Total	DNQ	0.26	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Copper	Total	=	53.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Copper	Total	=	54.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Copper	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	000NONPJ	matrix spike	8/17/2017	Metal	Iron	Total	=	713	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike, rec	8/17/2017	Metal	Iron	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/17/2017	Metal	Iron	Total	=	715	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/17/2017	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/17/2017	Metal	Iron	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2017/18-PRE	000NONPJ	matrix spike	8/17/2017	Metal	Iron	Total	=	278	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike, rec	8/17/2017	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/17/2017	Metal	Iron	Total	=	280	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/17/2017	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/17/2017	Metal	Iron	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Iron	Total	DNQ	2	µg/L	EPA 200.7	1.1	10			IP,UL-MB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Iron	Total	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Iron	Total	=	191	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Iron	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Iron	Total	DNQ	7	µg/L	EPA 200.7	1.1	10			IP,UL-MB
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Lead	Total	=	50.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Lead	Total	=	52.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Lead	Total	=	53.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Lead	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Lead	Total	=	51.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Lead	Total	=	52.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Lead	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	000NONPJ	matrix spike	8/16/2017	Metal	Mercury	Total	=	908	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike, rec	8/16/2017	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/16/2017	Metal	Mercury	Total	=	907	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/16/2017	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/16/2017	Metal	Mercury	Total	=	0.1	%	EPA 245.1	-88	-88	0	20	
2017/18-PRE	000NONPJ	matrix spike	8/16/2017	Metal	Mercury	Total	=	948	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike, rec	8/16/2017	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/16/2017	Metal	Mercury	Total	=	943	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/16/2017	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/16/2017	Metal	Mercury	Total	=	0.5	%	EPA 245.1	-88	-88	0	20	
2017/18-PRE	Carboy Blank	equip blank	8/16/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-PRE	Lab	method blank	8/16/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-PRE	Lab	LCS	8/16/2017	Metal	Mercury	Total	=	933	ng/L	EPA 245.1	17	50			
2017/18-PRE	Lab	LCS, rec	8/16/2017	Metal	Mercury	Total	=	93	%	EPA 245.1	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/16/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Nickel	Total	DNQ	0.065	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Nickel	Total	=	52.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Nickel	Total	=	52.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Nickel	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Nickel	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Nickel	Total	=	52.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Nickel	Total	DNQ	0.063	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Nickel	Total	=	52.8	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Nickel	Total	=	53.3	µg/L	EPA 200.8	0.045	0.8			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Nickel	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Selenium	Total	=	49.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Selenium	Total	=	51	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Selenium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Selenium	Total	=	52.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Selenium	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Selenium	Total	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Selenium	Total	=	51.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Silver	Total	=	50.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Silver	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Silver	Total	=	51.5	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Silver	Total	=	52.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Silver	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Silver	Total	=	51	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Silver	Total	=	50.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Silver	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Thallium	Total	=	51.7	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Thallium	Total	=	52.7	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Thallium	Total	=	54.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Thallium	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Thallium	Total	=	52.6	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Thallium	Total	=	52.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Thallium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Carboy Blank	matrix spike	8/18/2017	Metal	Zinc	Total	=	51.8	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/18/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/18/2017	Metal	Zinc	Total	=	51.8	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/18/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/18/2017	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Lab	method blank	8/18/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Lab	LCS	8/18/2017	Metal	Zinc	Total	=	52.9	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	matrix spike	8/18/2017	Metal	Zinc	Total	=	52.2	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/18/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/18/2017	Metal	Zinc	Total	=	52.4	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/18/2017	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/18/2017	Metal	Zinc	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	19.5	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	44	142	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	44	142	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	32	129	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	18.4	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	32	129	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	18.6	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	172	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	172	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-PRE	Carboy Blank	srgt equip blank	9/4/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	9/4/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt method blank	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt LCS	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	srgt LCS, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt LCS dup	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Tubing Blank	srgt equip blank	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.43	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	20	124	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	16.8	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	20	124	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	28.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	57	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	26.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.5	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	25.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	51	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	18.7	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 625	-88	-88	37	144	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	18.1	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 625	-88	-88	37	144	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	19	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 625	-88	-88	39	135	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	17.8	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 625	-88	-88	39	135	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	16.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	15.9	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	64	%	EPA 625	-88	-88	32	119	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	19.7	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	79	%	EPA 625	-88	-88	0.1	191	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	18.1	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	72	%	EPA 625	-88	-88	0.1	191	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	29.3	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	117	%	EPA 625	-88	-88	39	139	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	29	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	116	%	EPA 625	-88	-88	39	139	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	18.2	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	73	%	EPA 625	-88	-88	50	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	18.7	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	50	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	18.6	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	74	%	EPA 625	-88	-88	60	118	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	17.9	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	72	%	EPA 625	-88	-88	60	118	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2-Chlorophenol	n/a	=	18	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2-Chlorophenol	n/a	=	72	%	EPA 625	-88	-88	23	134	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2-Chlorophenol	n/a	=	16.7	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2-Chlorophenol	n/a	=	67	%	EPA 625	-88	-88	23	134	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2-Chlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	15.2	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	14.8	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	2-Fluorophenol	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	2-Fluorophenol	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	2-Fluorophenol	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	2-Fluorophenol	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2-Nitrophenol	n/a	=	20.6	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2-Nitrophenol	n/a	=	82	%	EPA 625	-88	-88	29	182	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2-Nitrophenol	n/a	=	19.1	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2-Nitrophenol	n/a	=	76	%	EPA 625	-88	-88	29	182	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2-Nitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	13.5	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	54	%	EPA 625	-88	-88	0.1	262	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	13.1	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	52	%	EPA 625	-88	-88	0.1	262	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.5	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	0.1	181	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	91	%	EPA 625	-88	-88	0.1	181	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	18.6	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	18.4	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	18.8	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	75	%	EPA 625	-88	-88	22	147	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	17.8	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 625	-88	-88	22	147	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.2	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625	-88	-88	25	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.2	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	81	%	EPA 625	-88	-88	25	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Nitrophenol	n/a	=	11.2	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Nitrophenol	n/a	=	45	%	EPA 625	-88	-88	0.1	132	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Nitrophenol	n/a	=	10.9	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Nitrophenol	n/a	=	44	%	EPA 625	-88	-88	0.1	132	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Acenaphthene	n/a	=	20	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Acenaphthene	n/a	=	80	%	EPA 625	-88	-88	47	145	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Acenaphthene	n/a	=	18.7	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Acenaphthene	n/a	=	75	%	EPA 625	-88	-88	47	145	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Acenaphthylene	n/a	=	19.5	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	145	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Acenaphthylene	n/a	=	18.8	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Acenaphthylene	n/a	=	75	%	EPA 625	-88	-88	33	145	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Acenaphthylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Anthracene	n/a	=	21.3	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	133	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Anthracene	n/a	=	20.9	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Anthracene	n/a	=	84	%	EPA 625	-88	-88	27	133	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benz(a)anthracene	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 625	-88	-88	33	143	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benz(a)anthracene	n/a	=	17.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benz(a)anthracene	n/a	=	71	%	EPA 625	-88	-88	33	143	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benz(a)anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	24.6	µg/L	EPA 625	0.13	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 625	-88	-88	17	163	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	23.2	µg/L	EPA 625	0.13	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 625	-88	-88	17	163	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Lab	method blank	9/3/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	4.74	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 525.2	-88	-88	40	147	
2017/18-PRE	Lab	LCS dup	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	4.56	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 525.2	-88	-88	40	147	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	25.9	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	104	%	EPA 625	-88	-88	24	159	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	24.9	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	100	%	EPA 625	-88	-88	24	159	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21.6	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	86	%	EPA 625	-88	-88	0.1	219	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21.9	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 625	-88	-88	0.1	219	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	25.6	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 625	-88	-88	11	162	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	22.4	µg/L	EPA 625	0.22	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	90	%	EPA 625	-88	-88	11	162	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.2	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	77	%	EPA 625	-88	-88	33	184	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	18	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	72	%	EPA 625	-88	-88	33	184	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	17.1	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	68	%	EPA 625	-88	-88	12	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	16	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	64	%	EPA 625	-88	-88	12	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.8	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	79	%	EPA 625	-88	-88	36	166	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.5	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	74	%	EPA 625	-88	-88	36	166	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	method blank	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	LCS	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.63	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	113	%	EPA 525.2	-88	-88	71	158	
2017/18-PRE	Lab	LCS dup	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.72	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	114	%	EPA 525.2	-88	-88	71	158	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	8.6	µg/L	EPA 625	2.3	5			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.7	µg/L	EPA 625	2.3	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	99	%	EPA 625	-88	-88	8	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.5	µg/L	EPA 625	2.3	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	90	%	EPA 625	-88	-88	8	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Lab	method blank	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	LCS	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.86	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	117	%	EPA 525.2	-88	-88	68	154	
2017/18-PRE	Lab	LCS dup	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.94	µg/L	EPA 525.2	1.1	3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	119	%	EPA 525.2	-88	-88	68	154	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.42	µg/L	EPA 625	0.18	1			IP,UL-MB
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.267	µg/L	EPA 625	0.18	1			IP
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	24.2	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	22.5	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Chrysene	n/a	=	24.6	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Chrysene	n/a	=	98	%	EPA 625	-88	-88	17	168	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Chrysene	n/a	=	23.3	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Chrysene	n/a	=	93	%	EPA 625	-88	-88	17	168	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Chrysene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	22.8	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 625	-88	-88	0.1	227	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	23.7	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	95	%	EPA 625	-88	-88	0.1	227	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Diethyl phthalate	n/a	=	20.7	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Diethyl phthalate	n/a	=	20.6	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Diethyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	114	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Diethyl phthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Diethyl phthalate	n/a	DNQ	0.74	µg/L	EPA 625	0.15	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Dimethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Dimethyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	112	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Dimethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Dimethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	0.1	112	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Dimethyl phthalate	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	26.3	µg/L	EPA 625	0.24	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	105	%	EPA 625	-88	-88	1	118	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	28.2	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	113	%	EPA 625	-88	-88	1	118	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	26.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	107	%	EPA 625	-88	-88	4	146	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	25.5	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	102	%	EPA 625	-88	-88	4	146	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Fluoranthene	n/a	=	87	%	EPA 625	-88	-88	26	137	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Fluoranthene	n/a	=	20.6	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Fluoranthene	n/a	=	82	%	EPA 625	-88	-88	26	137	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Fluorene	n/a	=	19.9	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Fluorene	n/a	=	79	%	EPA 625	-88	-88	59	121	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Fluorene	n/a	=	19.2	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Fluorene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	16.5	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	66	%	EPA 625	-88	-88	24	116	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	15.4	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	62	%	EPA 625	-88	-88	24	116	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9.56	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	38	%	EPA 625	-88	-88	0.1	81	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	8.4	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	34	%	EPA 625	-88	-88	0.1	81	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachloroethane	n/a	=	18.8	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachloroethane	n/a	=	17.1	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachloroethane	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.2	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	93	%	EPA 625	-88	-88	0.1	171	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.9	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	95	%	EPA 625	-88	-88	0.1	171	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Isophorone	n/a	=	21.4	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Isophorone	n/a	=	86	%	EPA 625	-88	-88	21	196	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Isophorone	n/a	=	19.9	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Isophorone	n/a	=	79	%	EPA 625	-88	-88	21	196	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Isophorone	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Naphthalene	n/a	=	18.1	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Naphthalene	n/a	=	72	%	EPA 625	-88	-88	21	133	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Naphthalene	n/a	=	17.5	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Naphthalene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Nitrobenzene	n/a	=	19.5	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Nitrobenzene	n/a	=	78	%	EPA 625	-88	-88	35	180	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Nitrobenzene	n/a	=	17.7	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Nitrobenzene	n/a	=	71	%	EPA 625	-88	-88	35	180	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Nitrobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	13.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	14	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	12.4	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	50	%	EPA 625	-88	-88	28	75	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	11.4	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	46	%	EPA 625	-88	-88	28	75	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	7.15	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	29	%	EPA 625	-88	-88	0.1	230	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	5.98	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	24	%	EPA 625	-88	-88	0.1	230	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	18	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625	-88	-88	42	90	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.8	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625	-88	-88	42	90	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	srgt equip blank	9/4/2017	Organic	Perylene-d12	n/a	=	4.27	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	9/4/2017	Organic	Perylene-d12	n/a	=	85	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Lab	srgt method blank	9/3/2017	Organic	Perylene-d12	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	9/3/2017	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Lab	srgt LCS	9/3/2017	Organic	Perylene-d12	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	9/3/2017	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Lab	srgt LCS dup	9/3/2017	Organic	Perylene-d12	n/a	=	4.83	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	9/3/2017	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Tubing Blank	srgt equip blank	9/3/2017	Organic	Perylene-d12	n/a	=	4.15	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	9/3/2017	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Phenanthrene	n/a	=	21.1	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Phenanthrene	n/a	=	85	%	EPA 625	-88	-88	54	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Phenanthrene	n/a	=	20.5	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Phenanthrene	n/a	=	82	%	EPA 625	-88	-88	54	120	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Phenanthrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Phenol	n/a	=	7.72	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Phenol	n/a	=	7.35	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Phenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	Phenol-d5	n/a	=	14	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	Phenol-d5	n/a	=	13.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	Phenol-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	Phenol-d5	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	16.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	15.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Pyrene	n/a	=	21.1	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Pyrene	n/a	=	84	%	EPA 625	-88	-88	52	115	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Pyrene	n/a	=	20.4	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Carboy Blank	srgt equip blank	9/4/2017	Organic	Triphenylphosphate	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	9/4/2017	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt method blank	9/3/2017	Organic	Triphenylphosphate	n/a	=	6.24	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt LCS	9/3/2017	Organic	Triphenylphosphate	n/a	=	6.81	µg/L	EPA 525.2	-88	-88			GN
2017/18-PRE	Lab	srgt LCS, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	136	%	EPA 525.2	-88	-88	70	130	GN
2017/18-PRE	Lab	srgt LCS dup	9/3/2017	Organic	Triphenylphosphate	n/a	=	6.18	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	srgt LCS dup, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Tubing Blank	srgt equip blank	9/3/2017	Organic	Triphenylphosphate	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Alachlor	n/a	=	5.28	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Alachlor	n/a	=	106	%	EPA 525.2	-88	-88	55	124	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Alachlor	n/a	=	5.17	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Alachlor	n/a	=	103	%	EPA 525.2	-88	-88	55	124	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Aldrin	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.05			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Atrazine	n/a	=	5.53	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Atrazine	n/a	=	111	%	EPA 525.2	-88	-88	67	131	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Atrazine	n/a	=	5.11	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Atrazine	n/a	=	102	%	EPA 525.2	-88	-88	67	131	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Atrazine	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Bromacil	n/a	=	4.97	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Bromacil	n/a	=	99	%	EPA 525.2	-88	-88	62	139	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Bromacil	n/a	=	4.96	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Bromacil	n/a	=	99	%	EPA 525.2	-88	-88	62	139	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Bromacil	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Butachlor	n/a	=	5.67	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Butachlor	n/a	=	113	%	EPA 525.2	-88	-88	61	127	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Butachlor	n/a	=	5.29	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Butachlor	n/a	=	106	%	EPA 525.2	-88	-88	61	127	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Butachlor	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Captan	n/a	=	5.45	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Captan	n/a	=	109	%	EPA 525.2	-88	-88	14	159	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Captan	n/a	=	5.37	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Captan	n/a	=	107	%	EPA 525.2	-88	-88	14	159	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Chloroprotham	n/a	=	5.64	µg/L	EPA 525.2	0.01	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Chloropropham	n/a	=	113	%	EPA 525.2	-88	-88	77	143	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Chloropropham	n/a	=	5.45	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Chloropropham	n/a	=	109	%	EPA 525.2	-88	-88	77	143	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Chloropropham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Cyanazine	n/a	=	4.53	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Cyanazine	n/a	=	91	%	EPA 525.2	-88	-88	61	129	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Cyanazine	n/a	=	4.37	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Cyanazine	n/a	=	87	%	EPA 525.2	-88	-88	61	129	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Diazinon	n/a	=	3.11	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Diazinon	n/a	=	62	%	EPA 525.2	-88	-88	30	120	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Diazinon	n/a	=	3.58	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Diazinon	n/a	=	72	%	EPA 525.2	-88	-88	30	120	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Diazinon	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Dimethoate	n/a	=	4.4	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Dimethoate	n/a	=	88	%	EPA 525.2	-88	-88	38	102	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Dimethoate	n/a	=	3.96	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Dimethoate	n/a	=	79	%	EPA 525.2	-88	-88	38	102	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Dimethoate	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Diphenamid	n/a	=	6.08	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Diphenamid	n/a	=	122	%	EPA 525.2	-88	-88	77	124	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Diphenamid	n/a	=	5.76	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Diphenamid	n/a	=	115	%	EPA 525.2	-88	-88	77	124	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Disulfoton	n/a	=	4.42	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	54	156	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Disulfoton	n/a	=	3.63	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Disulfoton	n/a	=	73	%	EPA 525.2	-88	-88	54	156	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Disulfoton	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	EPTC	n/a	=	6.19	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	EPTC	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	EPTC	n/a	=	5.96	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	EPTC	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Metolachlor	n/a	=	5.36	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Metolachlor	n/a	=	107	%	EPA 525.2	-88	-88	61	123	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Metolachlor	n/a	=	5.18	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Metolachlor	n/a	=	104	%	EPA 525.2	-88	-88	61	123	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Metribuzin	n/a	=	4.8	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Metribuzin	n/a	=	96	%	EPA 525.2	-88	-88	50	121	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Metribuzin	n/a	=	4.89	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Metribuzin	n/a	=	98	%	EPA 525.2	-88	-88	50	121	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Molinate	n/a	=	5.49	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Molinate	n/a	=	110	%	EPA 525.2	-88	-88	82	117	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Molinate	n/a	=	5.47	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	82	117	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Molinate	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 625	-88	-88	14	176	
2017/18-PRE	Lab	LCS dup	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	21.7	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 625	-88	-88	14	176	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Prometon	n/a	=	2.04	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Prometon	n/a	=	41	%	EPA 525.2	-88	-88	17	101	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Prometon	n/a	=	2.2	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Prometon	n/a	=	44	%	EPA 525.2	-88	-88	17	101	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Prometon	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Prometryn	n/a	=	4.73	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Prometryn	n/a	=	95	%	EPA 525.2	-88	-88	57	122	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Prometryn	n/a	=	4.36	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Prometryn	n/a	=	87	%	EPA 525.2	-88	-88	57	122	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Prometryn	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Simazine	n/a	=	4.63	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Simazine	n/a	=	93	%	EPA 525.2	-88	-88	53	116	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Simazine	n/a	=	4.58	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Simazine	n/a	=	92	%	EPA 525.2	-88	-88	53	116	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Simazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Terbacil	n/a	=	6.06	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Terbacil	n/a	=	121	%	EPA 525.2	-88	-88	70	135	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Terbacil	n/a	=	5.77	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Terbacil	n/a	=	115	%	EPA 525.2	-88	-88	70	135	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Thiobencarb	n/a	=	4.91	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Thiobencarb	n/a	=	98	%	EPA 525.2	-88	-88	56	125	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Thiobencarb	n/a	=	4.79	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Thiobencarb	n/a	=	96	%	EPA 525.2	-88	-88	56	125	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Trithion	n/a	=	5.52	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Trithion	n/a	=	110	%	EPA 525.2	-88	-88	60	124	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Trithion	n/a	=	5.34	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Trithion	n/a	=	107	%	EPA 525.2	-88	-88	60	124	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017-DRY	DRY-CAM4	matrix spike	8/9/2017	Cation	Calcium	Total	=	222	mg/L	EPA 200.7	0.016	0.1			
2017-DRY	DRY-CAM4	matrix spike, rec	8/9/2017	Cation	Calcium	Total	=	82	%	EPA 200.7	-88	-88	70	130	
2017-DRY	DRY-CAM4	matrix spike dup	8/9/2017	Cation	Calcium	Total	=	219	mg/L	EPA 200.7	0.016	0.1			
2017-DRY	DRY-CAM4	matrix spike dup, rec	8/9/2017	Cation	Calcium	Total	=	77	%	EPA 200.7	-88	-88	70	130	
2017-DRY	DRY-CAM4	matrix spike, RPD	8/9/2017	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017-DRY	Lab	method blank	8/9/2017	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017-DRY	Lab	LCS	8/9/2017	Cation	Calcium	Total	=	49.8	mg/L	EPA 200.7	0.016	0.1			
2017-DRY	Lab	LCS, rec	8/9/2017	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017-DRY	MO-FIL	matrix spike	8/9/2017	Cation	Calcium	Total	=	189	mg/L	EPA 200.7	0.016	0.1			
2017-DRY	MO-FIL	matrix spike, rec	8/9/2017	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2017-DRY	MO-FIL	matrix spike dup	8/9/2017	Cation	Calcium	Total	=	189	mg/L	EPA 200.7	0.016	0.1			
2017-DRY	MO-FIL	matrix spike dup, rec	8/9/2017	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2017-DRY	MO-FIL	matrix spike, RPD	8/9/2017	Cation	Calcium	Total	=	0.08	%	EPA 200.7	-88	-88	0	30	
2017-DRY	DRY-CAM4	matrix spike	8/9/2017	Cation	Magnesium	Total	=	95.4	mg/L	EPA 200.7	0.012	0.1			
2017-DRY	DRY-CAM4	matrix spike, rec	8/9/2017	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017-DRY	DRY-CAM4	matrix spike dup	8/9/2017	Cation	Magnesium	Total	=	95	mg/L	EPA 200.7	0.012	0.1			
2017-DRY	DRY-CAM4	matrix spike dup, rec	8/9/2017	Cation	Magnesium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017-DRY	DRY-CAM4	matrix spike, RPD	8/9/2017	Cation	Magnesium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2017-DRY	Lab	method blank	8/9/2017	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017-DRY	Lab	LCS	8/9/2017	Cation	Magnesium	Total	=	48.2	mg/L	EPA 200.7	0.012	0.1			
2017-DRY	Lab	LCS, rec	8/9/2017	Cation	Magnesium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2017-DRY	MO-FIL	matrix spike	8/9/2017	Cation	Magnesium	Total	=	88.8	mg/L	EPA 200.7	0.012	0.1			
2017-DRY	MO-FIL	matrix spike, rec	8/9/2017	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017-DRY	MO-FIL	matrix spike dup	8/9/2017	Cation	Magnesium	Total	=	88.9	mg/L	EPA 200.7	0.012	0.1			
2017-DRY	MO-FIL	matrix spike dup, rec	8/9/2017	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017-DRY	MO-FIL	matrix spike, RPD	8/9/2017	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2017-DRY	000NONPJ	lab duplicate	8/17/2017	Conventional	Total Organic Carbon	n/a	=	1.76	mg/L	SM 5310 C	0.0331	0.3	0	20	
2017-DRY	000NONPJ	lab duplicate	8/17/2017	Conventional	Total Organic Carbon	n/a	=	1.2	mg/L	SM 5310 C	0.0331	0.3	0	20	
2017-DRY	000NONPJ	matrix spike	8/17/2017	Conventional	Total Organic Carbon	n/a	=	5.64	mg/L	SM 5310 C	0.0331	0.3			
2017-DRY	000NONPJ	matrix spike, rec	8/17/2017	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	75	125	
2017-DRY	000NONPJ	lab duplicate	8/21/2017	Conventional	Total Organic Carbon	n/a	=	2.5	mg/L	SM 5310 C	0.0331	0.3	0	20	
2017-DRY	000NONPJ	matrix spike	8/21/2017	Conventional	Total Organic Carbon	n/a	=	6.88	mg/L	SM 5310 C	0.0331	0.3			
2017-DRY	000NONPJ	matrix spike, rec	8/21/2017	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	75	125	
2017-DRY	Lab	LCS	8/17/2017	Conventional	Total Organic Carbon	n/a	=	4.88	mg/L	SM 5310 C	0.0331	0.3			
2017-DRY	Lab	LCS, rec	8/17/2017	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	90	110	
2017-DRY	Lab	method blank	8/17/2017	Conventional	Total Organic Carbon	n/a	<	0.0331	mg/L	SM 5310 C	0.0331	0.3			
2017-DRY	Lab	LCS	8/21/2017	Conventional	Total Organic Carbon	n/a	=	4.63	mg/L	SM 5310 C	0.0331	0.3			
2017-DRY	Lab	LCS, rec	8/21/2017	Conventional	Total Organic Carbon	n/a	=	93	%	SM 5310 C	-88	-88	90	110	
2017-DRY	Lab	method blank	8/21/2017	Conventional	Total Organic Carbon	n/a	<	0.0331	mg/L	SM 5310 C	0.0331	0.3			
2017-DRY	DRY-OJA6	matrix spike	8/9/2017	Metal	Copper	Dissolved	=	45.1	µg/L	EPA 200.8	0.13	0.5			
2017-DRY	DRY-OJA6	matrix spike, rec	8/9/2017	Metal	Copper	Dissolved	=	89	%	EPA 200.8	-88	-88	70	130	
2017-DRY	DRY-OJA6	matrix spike dup	8/9/2017	Metal	Copper	Dissolved	=	45.9	µg/L	EPA 200.8	0.13	0.5			
2017-DRY	DRY-OJA6	matrix spike dup, rec	8/9/2017	Metal	Copper	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2017-DRY	DRY-OJA6	matrix spike, RPD	8/9/2017	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2017-DRY	Lab	method blank	8/9/2017	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017-DRY	Lab	LCS	8/9/2017	Metal	Copper	Dissolved	=	52.7	µg/L	EPA 200.8	0.13	0.5			
2017-DRY	Lab	LCS, rec	8/9/2017	Metal	Copper	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2017-DRY	MO-MPK	matrix spike	8/9/2017	Metal	Copper	Dissolved	=	56.2	µg/L	EPA 200.8	0.13	0.5			
2017-DRY	MO-MPK	matrix spike, rec	8/9/2017	Metal	Copper	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2017-DRY	MO-MPK	matrix spike dup	8/9/2017	Metal	Copper	Dissolved	=	55	µg/L	EPA 200.8	0.13	0.5			
2017-DRY	MO-MPK	matrix spike dup, rec	8/9/2017	Metal	Copper	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2017-DRY	MO-MPK	matrix spike, RPD	8/9/2017	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2017-DRY	DRY-OJA6	matrix spike	8/9/2017	Metal	Lead	Dissolved	=	47.2	µg/L	EPA 200.8	0.031	0.2			
2017-DRY	DRY-OJA6	matrix spike, rec	8/9/2017	Metal	Lead	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2017-DRY	DRY-OJA6	matrix spike dup	8/9/2017	Metal	Lead	Dissolved	=	48.1	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017-DRY	DRY-OJA6	matrix spike dup, rec	8/9/2017	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2017-DRY	DRY-OJA6	matrix spike, RPD	8/9/2017	Metal	Lead	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2017-DRY	Lab	method blank	8/9/2017	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017-DRY	Lab	LCS	8/9/2017	Metal	Lead	Dissolved	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2017-DRY	Lab	LCS, rec	8/9/2017	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017-DRY	MO-MPK	matrix spike	8/9/2017	Metal	Lead	Dissolved	=	48.6	µg/L	EPA 200.8	0.031	0.2			
2017-DRY	MO-MPK	matrix spike, rec	8/9/2017	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2017-DRY	MO-MPK	matrix spike dup	8/9/2017	Metal	Lead	Dissolved	=	47.6	µg/L	EPA 200.8	0.031	0.2			
2017-DRY	MO-MPK	matrix spike dup, rec	8/9/2017	Metal	Lead	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2017-DRY	MO-MPK	matrix spike, RPD	8/9/2017	Metal	Lead	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2017-DRY	DRY-OJA6	matrix spike	8/9/2017	Metal	Zinc	Dissolved	=	47.5	µg/L	EPA 200.8	0.94	5			
2017-DRY	DRY-OJA6	matrix spike, rec	8/9/2017	Metal	Zinc	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2017-DRY	DRY-OJA6	matrix spike dup	8/9/2017	Metal	Zinc	Dissolved	=	47	µg/L	EPA 200.8	0.94	5			
2017-DRY	DRY-OJA6	matrix spike dup, rec	8/9/2017	Metal	Zinc	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2017-DRY	DRY-OJA6	matrix spike, RPD	8/9/2017	Metal	Zinc	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2017-DRY	Lab	method blank	8/9/2017	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017-DRY	Lab	LCS	8/9/2017	Metal	Zinc	Dissolved	=	53	µg/L	EPA 200.8	0.94	5			
2017-DRY	Lab	LCS, rec	8/9/2017	Metal	Zinc	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2017-DRY	MO-MPK	matrix spike	8/9/2017	Metal	Zinc	Dissolved	=	51	µg/L	EPA 200.8	0.94	5			
2017-DRY	MO-MPK	matrix spike, rec	8/9/2017	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2017-DRY	MO-MPK	matrix spike dup	8/9/2017	Metal	Zinc	Dissolved	=	50.4	µg/L	EPA 200.8	0.94	5			
2017-DRY	MO-MPK	matrix spike dup, rec	8/9/2017	Metal	Zinc	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2017-DRY	MO-MPK	matrix spike, RPD	8/9/2017	Metal	Zinc	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	

Appendix G. Laboratory Environmental Analysis Results

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	4884	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	461100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 11:23:00 AM	Calcium	Total	=	181	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 11:23:00 AM	Magnesium	Total	=	49	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Conductivity	n/a	=	2873	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Discharge	n/a	=	0.03	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	DO	n/a	=	153.4	%	Field Meter	-88	0.1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	DO	n/a	=	12.04	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 11:23:00 AM	Hardness as CaCO3	Total	=	653	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	pH	n/a	=	8.26	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Specific Conductance	n/a	=	2726	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Temperature	n/a	=	26.9	°C	Field Meter	-88	0.1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/17/2017 1:17:00 PM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 C	0.331	3	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Turbidity	n/a	=	2.82	NTU	Field Meter	-88	0.01	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 2:28:00 PM	Copper	Dissolved	=	7.9	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 2:28:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 2:28:00 PM	Zinc	Dissolved	DNQ	4.3	µg/L	EPA 200.8	0.94	5	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/4/2017 10:00:00 AM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/4/2017 10:00:00 AM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 11:49:00 AM	Calcium	Total	=	291	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 11:49:00 AM	Magnesium	Total	=	197	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Conductivity	n/a	=	9010	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	DO	n/a	=	83.6	%	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	DO	n/a	=	6.8	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 11:49:00 AM	Hardness as CaCO3	Total	=	1540	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	pH	n/a	=	7.42	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Salinity	n/a	=	4600	mg/L	Field Meter	-88	100	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Specific Conductance	n/a	=	8380	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Temperature	n/a	=	27.5	°C	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/17/2017 3:05:00 PM	Total Organic Carbon	n/a	=	7.9	mg/L	SM 5310 C	0.828	7.5	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Turbidity	n/a	=	47.1	NTU	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 2:48:00 PM	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 2:48:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 2:48:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/3/2017 9:30:00 AM	E. Coli	n/a	=	122	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/3/2017 9:30:00 AM	Total Coliform	n/a	=	1720	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 11:43:00 AM	Calcium	Total	=	174	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 11:43:00 AM	Magnesium	Total	=	48.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Conductivity	n/a	=	1369	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Discharge	n/a	=	0.12	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	DO	n/a	=	7.25	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	DO	n/a	=	83.8	%	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 11:43:00 AM	Hardness as CaCO3	Total	=	634	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	pH	n/a	=	7.8	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Specific Conductance	n/a	=	1180	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Temperature	n/a	=	22.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/17/2017 4:22:00 AM	Total Organic Carbon	n/a	=	3.2	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Turbidity	n/a	=	1.09	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 2:40:00 PM	Copper	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 2:40:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 2:40:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	422	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	198630	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 11:46:00 AM	Calcium	Total	=	122	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 11:46:00 AM	Magnesium	Total	=	39.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Conductivity	n/a	=	1051	µmhos/cm	Field Meter	-88	1	Field Crew	EST
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Discharge	n/a	=	0.08	cfs	Field Estimate	-88	0.01	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	DO	n/a	=	63.5	%	Field Meter	-88	0.1	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	DO	n/a	=	5.6	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 11:46:00 AM	Hardness as CaCO3	Total	=	466	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	pH	n/a	=	8.01	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Specific Conductance	n/a	=	1132	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Temperature	n/a	=	21.3	°C	Field Meter	-88	0.1	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/17/2017 4:40:00 AM	Total Organic Carbon	n/a	=	9.3	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Turbidity	n/a	=	1.64	NTU	Field Meter	-88	0.01	Field Crew	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 2:44:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 2:44:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-ONX2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 2:44:00 PM	Zinc	Dissolved	=	6.6	µg/L	EPA 200.8	0.94	5	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/3/2017 9:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/3/2017 9:30:00 AM	Total Coliform	n/a	=	2382	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 11:52:00 AM	Calcium	Total	=	212	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 11:52:00 AM	Magnesium	Total	=	58.6	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Conductivity	n/a	=	1680	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Discharge	n/a	=	0.3	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	DO	n/a	=	94.7	%	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	DO	n/a	=	8.26	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 11:52:00 AM	Hardness as CaCO3	Total	=	771	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	pH	n/a	=	7.77	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Specific Conductance	n/a	=	1774	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Temperature	n/a	=	22.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/17/2017 5:21:00 AM	Total Organic Carbon	n/a	=	1.6	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Turbidity	n/a	=	0.09	NTU	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 2:52:00 PM	Copper	Dissolved	DNQ	0.3	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 2:52:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 2:52:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/4/2017 9:00:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 12:01:00 PM	Calcium	Total	=	216	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 12:01:00 PM	Magnesium	Total	=	149	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Conductivity	n/a	=	3698	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	DO	n/a	=	64.6	%	Field Meter	-88	0.1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	DO	n/a	=	4.93	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 12:01:00 PM	Hardness as CaCO3	Total	=	1150	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	pH	n/a	=	7.26	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Salinity	n/a	=	1800	mg/L	Field Meter	-88	100	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Specific Conductance	n/a	=	3382	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Temperature	n/a	=	29.5	°C	Field Meter	-88	0.1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/17/2017 2:20:00 PM	Total Organic Carbon	n/a	=	8.6	mg/L	SM 5310 C	0.828	7.5	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Turbidity	n/a	=	4.95	NTU	Field Meter	-88	0.01	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 3:05:00 PM	Copper	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 3:05:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 3:05:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/3/2017 9:30:00 AM	E. Coli	n/a	=	5475	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/3/2017 9:30:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Calcium	Total	=	88	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Magnesium	Total	=	31.4	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Conductivity	n/a	=	979	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	DO	n/a	=	6.5	%	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	DO	n/a	=	0.69	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Hardness as CaCO3	Total	=	349	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	pH	n/a	=	7.25	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Specific Conductance	n/a	=	1060	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Temperature	n/a	=	21.8	°C	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/21/2017 8:39:00 PM	Total Organic Carbon	n/a	=	18	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Turbidity	n/a	=	14.6	NTU	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 3:21:00 PM	Copper	Dissolved	=	5	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 3:21:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 3:21:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	738	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/29/2016 12:40:00 PM	Enterococcus	n/a	=	816	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/31/2016 7:00:00 AM	Fecal Coliform	n/a	=	790	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Conductivity	n/a	=	1478	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	DO	n/a	=	55.7	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	DO	n/a	=	5.06	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Specific Conductance	n/a	=	1639	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Temperature	n/a	=	19.9	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/4/2016 4:41:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/2/2016 1:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/2/2016 1:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 6:10:00 PM	Chloride	n/a	=	210	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 6:10:00 PM	Fluoride	n/a	DNQ	0.72	mg/L	EPA 300.0	0.2	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/5/2016 3:12:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 6:10:00 PM	Sulfate	Total	=	210	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Calcium	Total	=	60.1	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Magnesium	Total	=	35.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Potassium	Total	=	21	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Sodium	Total	=	150	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO ₃	n/a	=	170	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	7.7	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 8:24:00 PM	COD	n/a	=	35	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	39	mg/L	SM 5310 C	5	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	12	mg/L	SM 5310 C	0.1	2.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Hardness as CaCO ₃	Total	=	298	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 4:14:00 PM	MBAS	n/a	=	0.083	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 9:43:00 AM	Phenolics	n/a	=	0.036	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 1:13:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 5:28:00 PM	Total Chlorine Residual	n/a	DNQ	0.047	mg/L	SM 4500-Cl G	0.003	0.1	WKL	EST-HT
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	830	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.09	3	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	66	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 6:53:00 PM	Turbidity	n/a	=	20	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/28/2016 11:01:00 PM	Diesel Range Organics	n/a	DNQ	0.061	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/28/2016 11:01:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Aluminum	Dissolved	=	7.5	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Aluminum	Total	=	900	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Antimony	Dissolved	=	0.51	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Antimony	Total	=	0.54	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Arsenic	Dissolved	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Cadmium	Dissolved	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Cadmium	Total	=	0.22	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/10/2016 8:09:00 PM	Chromium VI	n/a	=	0.82	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Copper	Dissolved	=	3.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Copper	Total	=	5.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:26:00 PM	Iron	Dissolved	=	40	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Iron	Total	=	1300	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Lead	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Lead	Total	=	0.67	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/17/2016 3:44:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/17/2016 3:45:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Nickel	Dissolved	=	5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Nickel	Total	=	6.8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Selenium	Dissolved	=	0.6	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Selenium	Total	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Zinc	Dissolved	=	21	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Zinc	Total	=	28	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.22	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 4:26:00 PM	Nitrate + Nitrite as N	n/a	=	6.9	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 4:26:00 PM	Nitrate as N	n/a	=	6.9	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/10/2016 1:14:00 PM	Phosphorus as P	Dissolved	=	3	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/7/2016 8:23:00 PM	Phosphorus as P	Total	=	3.3	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	1.7	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	1-Methylnaphthalene	n/a	=	0.71	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	2-Methylnaphthalene	n/a	=	1.2	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Acenaphthene	n/a	=	0.12	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Bis(2-chloroethoxy)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/3/2016 11:00:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Diethyl phthalate	n/a	DNQ	0.2	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Dimethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.18	1	WKL	HB-LCSR
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Di-n-butylphthalate	n/a	DNQ	0.41	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Fluorene	n/a	=	0.11	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Naphthalene	n/a	=	1.3	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Phenanthrene	n/a	=	0.11	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Chlorpyrifos	n/a	DNQ	0.009	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dalapon	n/a	DNQ	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	DCPA (Dacthal)	n/a	=	1	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:31:00 PM	Glyphosate	n/a	=	22	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/21/2016 9:00:00 PM	E. Coli	n/a	=	292	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/22/2016 4:00:00 AM	Enterococcus	n/a	=	504	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/21/2016 9:00:00 PM	Total Coliform	n/a	=	10120	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Conductivity	n/a	=	33.3	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	DO	n/a	=	9.3	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	DO	n/a	=	89.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	pH	n/a	=	7.55	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Specific Conductance	n/a	=	42.2	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/30/2016 4:27:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/29/2016 9:53:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/23/2016 11:59:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/23/2016 11:59:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	170	mg/L	EPA 300.0	2	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.31	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/12/2016 8:29:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	180	mg/L	EPA 300.0	2	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Calcium	Total	=	52.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Magnesium	Total	=	31.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Potassium	Total	=	18	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Sodium	Total	=	130	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	160	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	9.3	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	50	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	36	mg/L	SM 5310 C	4	4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	10	mg/L	SM 5310 C	0.1	2.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Hardness as CaCO3	Total	=	263	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	DNQ	0.046	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/28/2016 11:24:00 AM	Phenolics	n/a	DNQ	0.0099	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 4:46:00 PM	Total Chlorine Residual	n/a	DNQ	0.0017	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	720	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	200	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	94	NTU	EPA 180.1	0.24	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	42	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 3:25:00 AM	Diesel Range Organics	n/a	=	0.54	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 3:25:00 AM	Oil Range Organics	n/a	DNQ	0.49	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Aluminum	Dissolved	=	9.7	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Aluminum	Total	=	4600	µg/L	EPA 200.8	6.5	25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Antimony	Dissolved	DNQ	0.49	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Antimony	Total	=	0.58	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.37	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Cadmium	Dissolved	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Cadmium	Total	DNQ	0.37	µg/L	EPA 200.8	0.2	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/9/2016 4:43:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Chromium	Total	=	13	µg/L	EPA 200.8	0.18	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Copper	Dissolved	=	4.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.65	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 11:39:00 AM	Iron	Dissolved	=	31	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Iron	Total	=	5800	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Lead	Dissolved	DNQ	0.076	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:03:00 PM	Lead	Total	=	3.3	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 2:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 2:26:00 PM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Nickel	Dissolved	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.22	4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Selenium	Total	=	0.6	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Thallium	Total	DNQ	0.049	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Zinc	Total	=	66	µg/L	EPA 200.8	4.7	25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.32	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 12:29:00 PM	Nitrate + Nitrite as N	n/a	=	6.6	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 12:29:00 PM	Nitrate as N	n/a	=	6.5	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/9/2016 1:20:00 PM	Phosphorus as P	Dissolved	=	3.5	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 2:17:00 PM	Phosphorus as P	Total	=	3.6	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.4	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.96	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.8	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Chlorpyrifos	n/a	DNQ	0.0077	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	DCPA (Dacthal)	n/a	=	0.92	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Diazinon	n/a	DNQ	0.0057	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/28/2016 8:42:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Malathion	n/a	=	0.21	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	Pentachlorophenol	n/a	DNQ	0.85	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/16/2016 7:00:00 PM	E. Coli	n/a	=	4884	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/17/2016 12:40:00 AM	Enterococcus	n/a	=	4352	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/19/2016 2:46:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/16/2016 7:00:00 PM	Total Coliform	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Conductivity	n/a	=	825	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	DO	n/a	=	75.4	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	DO	n/a	=	7.38	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Specific Conductance	n/a	=	988	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/22/2016 9:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	1/3/2017 5:30:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	LB-MSR
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/20/2016 5:26:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/20/2016 5:26:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	96	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.29	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 8:25:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Calcium	Total	=	35.4	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Magnesium	Total	=	20.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Sodium	Total	=	75	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	8.9	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/23/2016 4:01:00 PM	COD	n/a	=	26	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	28	mg/L	SM 5310 C	5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	6.2	mg/L	SM 5310 C	0.026	0.6	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Hardness as CaCO3	Total	=	173	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 11:39:00 AM	Phenolics	n/a	DNQ	0.0079	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	800	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 10:00:00 PM	Total Chlorine Residual	n/a	DNQ	0.011	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	430	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	7.3	mg/L	SM 5310 C	0.036	1.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	170	NTU	EPA 180.1	0.24	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	48	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/5/2017 2:11:00 PM	Diesel Range Organics	n/a	=	0.33	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/5/2017 2:11:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/3/2017 2:28:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/3/2017 2:49:00 PM	Aluminum	Total	=	3200	µg/L	EPA 200.8	26	100	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Antimony	Dissolved	=	0.53	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Antimony	Total	=	0.66	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Arsenic	Dissolved	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Arsenic	Total	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Barium	Total	=	38	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Cadmium	Dissolved	=	0.16	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Cadmium	Total	=	0.35	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Chromium	Dissolved	=	0.4	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.02	WKL	EST-MSRPD
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Copper	Total	=	9.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:14:00 PM	Iron	Dissolved	=	38	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Iron	Total	=	3800	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 2:49:00 PM	Lead	Dissolved	DNQ	0.081	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 3:12:00 PM	Lead	Total	=	2.5	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 2:13:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 2:15:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Nickel	Dissolved	=	4.8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 3:31:00 PM	Selenium	Dissolved	=	0.45	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 3:49:00 PM	Selenium	Total	=	0.52	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Silver	Dissolved	DNQ	0.065	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Silver	Total	DNQ	0.066	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 2:49:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 3:12:00 PM	Thallium	Total	DNQ	0.026	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Zinc	Total	=	31	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.13	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 5:56:00 PM	Nitrate + Nitrite as N	n/a	=	3.8	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 5:56:00 PM	Nitrate as N	n/a	=	3.7	mg/L	EPA 353.2	0.041	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 4:53:00 PM	Phosphorus as P	Dissolved	=	2.8	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 12:46:00 PM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	4,4'-DDE	n/a	DNQ	0.013	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Chlorpyrifos	n/a	=	0.03	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	DCPA (Dacthal)	n/a	=	0.65	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Dichlorvos	n/a	=	0.01	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 2:56:00 PM	Glyphosate	n/a	=	9.2	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Malathion	n/a	=	0.04	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:55:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/5/2017 4:58:00 PM	Chloride	n/a	=	240	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.44	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/31/2017 9:34:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/5/2017 4:58:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Calcium	Total	=	102	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Magnesium	Total	=	60	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Potassium	Total	=	16	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Sodium	Total	=	200	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	17	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	73	mg/L	SM 5310 C	10	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Hardness as CaCO3	Total	=	503	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	DNQ	0.03	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 1:36:00 PM	Phenolics	n/a	DNQ	0.0078	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	1900	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/18/2017 6:36:00 PM	Total Chlorine Residual	n/a	DNQ	0.041	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	4.8	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	=	8	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	3.9	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 10:37:00 PM	Diesel Range Organics	n/a	DNQ	0.065	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 10:37:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 12:42:00 PM	Aluminum	Dissolved	DNQ	3.3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 12:46:00 PM	Aluminum	Total	=	100	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Antimony	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Antimony	Total	DNQ	0.44	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Arsenic	Dissolved	=	4.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Cadmium	Dissolved	=	0.28	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Cadmium	Total	=	0.28	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Chromium	Total	=	0.7	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Copper	Dissolved	=	3.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Copper	Total	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:22:00 PM	Iron	Dissolved	=	11	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Iron	Total	=	170	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Lead	Dissolved	DNQ	0.048	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Lead	Total	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:27:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:29:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Nickel	Dissolved	=	8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Nickel	Total	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Selenium	Dissolved	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Selenium	Total	=	0.88	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Zinc	Dissolved	=	11	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Zinc	Total	=	10	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 2:03:00 PM	Nitrate + Nitrite as N	n/a	=	9.5	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 2:03:00 PM	Nitrate as N	n/a	=	9.4	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 1:14:00 PM	Phosphorus as P	Dissolved	=	2.3	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:18:00 PM	Phosphorus as P	Total	=	2.3	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.18	1	WKL	UL-MB
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	DCPA (Dacthal)	n/a	=	3.2	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Dimethoate	n/a	=	0.014	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Fensulfothion	n/a	DNQ	0.0031	µg/L	EPA 525.2m	0.0029	0.01	WKL	UL-MB
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 9:13:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:27:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Malathion	n/a	=	0.038	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Metolachlor	n/a	DNQ	0.023	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	41	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	100	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	170	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	51720	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Conductivity	n/a	=	1475	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	DO	n/a	=	9.58	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	DO	n/a	=	103.1	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	pH	n/a	=	8.11	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Specific Conductance	n/a	=	1676	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Temperature	n/a	=	18.7	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 8:17:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/25/2017 2:53:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/25/2017 2:53:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 12:21:00 PM	Chloride	n/a	=	91	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 12:21:00 PM	Fluoride	n/a	=	0.62	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 8:58:00 PM	Perchlorate	n/a	DNQ	3.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 12:21:00 PM	Sulfate	Total	=	720	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Calcium	Total	=	206	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Magnesium	Total	=	90.2	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Potassium	Total	=	8.5	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Sodium	Total	=	170	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/7/2017 1:57:00 PM	Alkalinity as CaCO3	n/a	=	350	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 6:30:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:15:00 AM	COD	n/a	=	18	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/17/2017 1:34:00 PM	Dissolved Inorganic Carbon	Dissolved	=	74	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 8:34:00 AM	Dissolved Organic Carbon	Dissolved	=	5.8	mg/L	SM 5310 C	0.052	1.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Hardness as CaCO3	Total	=	885	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/6/2017 7:53:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/10/2017 11:23:00 AM	Phenolics	n/a	DNQ	0.0068	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/7/2017 4:09:00 PM	Specific Conductance	n/a	=	2300	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/8/2017 4:15:00 PM	Total Dissolved Solids	n/a	=	1800	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 10:57:00 AM	Total Organic Carbon	n/a	=	4.9	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/10/2017 5:20:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/6/2017 6:47:00 PM	Turbidity	n/a	=	230	NTU	EPA 180.1	0.48	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/10/2017 5:20:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/25/2017 12:21:00 AM	Diesel Range Organics	n/a	DNQ	0.053	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/25/2017 12:21:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/25/2017 11:54:00 AM	Aluminum	Total	=	2500	µg/L	EPA 200.8	65	250	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Antimony	Dissolved	DNQ	0.35	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Antimony	Total	DNQ	0.36	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Arsenic	Dissolved	=	0.99	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Barium	Total	=	170	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Beryllium	Total	DNQ	0.053	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Cadmium	Total	DNQ	0.091	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Chromium	Dissolved	DNQ	0.087	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Chromium	Total	=	3.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017	Chromium VI	n/a	=	0.062	µg/L	EPA 218.6	0.0048	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Copper	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Copper	Total	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:03:00 PM	Iron	Dissolved	DNQ	4.6	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Iron	Total	=	2600	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Lead	Dissolved	=	0.2	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Lead	Total	=	2.8	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 2:10:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 2:12:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Nickel	Total	=	4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Selenium	Dissolved	=	5.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Selenium	Total	=	5.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Zinc	Total	=	8.4	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/17/2017 3:30:00 PM	Ammonia as N	n/a	=	0.11	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/6/2017 2:04:00 PM	Nitrate + Nitrite as N	n/a	=	2.3	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 3:11:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 2:20:00 PM	Phosphorus as P	Total	=	0.23	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 6:55:00 PM	TKN	n/a	=	0.77	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 9:10:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 9:10:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Diethyl phthalate	n/a	DNQ	0.17	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	EST-LCSRPD
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	DCPA (Dacthal)	n/a	=	0.2	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	ST, EST-LCSRP
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 2:34:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	ST-LCSRPD, LB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	ST-LCSRPD, LB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/6/2017 8:00:00 AM	E. Coli	n/a	=	809	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/6/2017 2:00:00 PM	Enterococcus	n/a	=	750	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/8/2017 9:30:00 PM	Fecal Coliform	n/a	=	1400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/6/2017 8:00:00 AM	Total Coliform	n/a	=	72700	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Conductivity	n/a	=	1277	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/17/2017 8:59:00 PM	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	DO	n/a	=	82.3	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	DO	n/a	=	8.62	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	pH	n/a	=	8.11	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Specific Conductance	n/a	=	1569	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Temperature	n/a	=	13	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/9/2017 9:50:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/18/2017 3:23:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/10/2017 5:42:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/10/2017 5:42:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	206	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:10:00 AM	Enterococcus	n/a	=	121	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/22/2017 8:55:00 AM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Conductivity	n/a	=	1209	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/31/2017 10:14:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	DO	n/a	=	9.46	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	DO	n/a	=	86.6	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	pH	n/a	=	8.33	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Specific Conductance	n/a	=	1636	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Temperature	n/a	=	11.3	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/23/2017 6:10:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:17:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:17:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 4:50:00 PM	Chloride	n/a	=	44	mg/L	EPA 300.0	1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 4:50:00 PM	Fluoride	n/a	=	0.45	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/27/2017 12:39:00 AM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 4:50:00 PM	Sulfate	Total	=	420	mg/L	EPA 300.0	1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Calcium	Total	=	1270	mg/L	EPA 200.7	8	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Magnesium	Total	=	740	mg/L	EPA 200.7	6	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Potassium	Total	=	330	mg/L	EPA 200.7	40	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 12:01:00 PM	Sodium	Total	=	180	mg/L	EPA 200.7	0.15	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/29/2017 12:52:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/31/2017 10:54:00 AM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/26/2017 4:44:00 PM	COD	n/a	=	2200	mg/L	EPA 410.4	2.9	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	40	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	5.8	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Hardness as CaCO3	Total	=	6220	mg/L	EPA 200.7	44.7	331	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 7:44:00 PM	MBAS	n/a	<	0.038	mg/L	SM 5540 C	0.038	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/27/2017 8:58:00 AM	Phenolics	n/a	DNQ	0.0095	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	940	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	76000	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	140000	NTU	EPA 180.1	120	500	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	6000	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/2/2017 12:27:00 AM	Diesel Range Organics	n/a	<	0.24	mg/L	EPA 8015D	0.24	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/2/2017 12:27:00 AM	Oil Range Organics	n/a	<	3.3	mg/L	EPA 8015D	3.3	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Aluminum	Dissolved	=	5.1	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Aluminum	Total	=	860000	µg/L	EPA 200.8	130	500	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Antimony	Dissolved	DNQ	0.4	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Antimony	Total	DNQ	0.71	µg/L	EPA 200.8	0.22	2.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Arsenic	Dissolved	=	0.54	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Arsenic	Total	=	170	µg/L	EPA 200.8	7.4	40	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Barium	Total	=	8700	µg/L	EPA 200.8	7.1	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Beryllium	Total	=	80	µg/L	EPA 200.8	0.16	0.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Cadmium	Dissolved	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Cadmium	Total	=	69	µg/L	EPA 200.8	4.1	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Chromium	Dissolved	=	0.28	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Chromium	Total	=	1400	µg/L	EPA 200.8	3.5	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Copper	Dissolved	=	4.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Copper	Total	=	1900	µg/L	EPA 200.8	13	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:53:00 AM	Iron	Dissolved	=	12	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Iron	Total	=	1700000	µg/L	EPA 200.7	550	5000	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Lead	Dissolved	DNQ	0.038	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Lead	Total	=	930	µg/L	EPA 200.8	3.1	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/26/2017 3:11:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/26/2017 3:13:00 PM	Mercury	Total	=	2000	ng/L	EPA 245.1	34	100	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Nickel	Total	=	2200	µg/L	EPA 200.8	4.5	80	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Selenium	Dissolved	=	3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Selenium	Total	=	33	µg/L	EPA 200.8	0.7	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Silver	Total	=	7.6	µg/L	EPA 200.8	0.31	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Thallium	Dissolved	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Thallium	Total	=	18	µg/L	EPA 200.8	0.07	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Zinc	Dissolved	DNQ	1.8	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Zinc	Total	=	6300	µg/L	EPA 200.8	94	500	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.67	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 11:29:00 AM	Nitrate + Nitrite as N	n/a	=	3.7	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 6:33:00 PM	Phosphorus as P	Dissolved	=	0.03	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 5:32:00 PM	Phosphorus as P	Total	=	88	mg/L	EPA 365.1	0.7	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/25/2017 7:48:00 PM	TKN	n/a	=	56	mg/L	EPA 351.2	1	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	4	µg/L	EPA 625	2.3	5	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Diethyl phthalate	n/a	DNQ	0.21	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:29:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	DCPA (Dacthal)	n/a	=	0.32	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Dimethoate	n/a	DNQ	0.076	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 7:43:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Pentachlorophenol	n/a	DNQ	0.63	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Simazine	n/a	=	1.9	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	93	mg/L	EPA 300.0	0.2	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	=	0.74	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 10:46:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	870	mg/L	EPA 300.0	2	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	20	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/7/2017 9:00:00 AM	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	565	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Calcium	Total	=	187	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Magnesium	Total	=	90.6	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Potassium	Total	=	5.7	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Sodium	Total	=	160	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:37:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 5:55:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 6:58:00 PM	COD	n/a	=	18	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Conductivity	n/a	=	1967	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 2:09:00 PM	Dissolved Inorganic Carbon	Dissolved	=	52	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:39:00 PM	Dissolved Organic Carbon	Dissolved	=	4.4	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	DO	n/a	=	161.1	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	DO	n/a	=	13.85	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:40:00 AM	Hardness as CaCO3	Total	=	841	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 6:56:00 PM	MBAS	n/a	DNQ	0.047	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	pH	n/a	=	8.2	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 11:21:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 12:56:00 PM	Specific Conductance	n/a	=	2200	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Specific Conductance	n/a	=	2056	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Temperature	n/a	=	22.8	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 3:48:00 PM	Total Dissolved Solids	n/a	=	1600	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 11:04:00 AM	Total Organic Carbon	n/a	=	4.1	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 4:45:00 PM	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:14:00 PM	Turbidity	n/a	=	0.96	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 4:45:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 12:02:00 PM	Diesel Range Organics	n/a	DNQ	0.071	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 2:45:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 12:02:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Aluminum	Dissolved	DNQ	1.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Aluminum	Total	=	25	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Antimony	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Antimony	Total	DNQ	0.22	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Arsenic	Dissolved	=	0.65	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Arsenic	Total	=	0.69	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Barium	Total	=	42	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:45:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:57:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Chromium	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Chromium	Total	DNQ	0.1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 3:00:00 PM	Chromium VI	n/a	=	0.035	µg/L	EPA 218.6	0.0048	0.02	WKL	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Copper	Total	=	1.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/14/2017 11:06:00 AM	Iron	Dissolved	=	23	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Iron	Total	=	66	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Lead	Total	DNQ	0.068	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 3:45:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 3:47:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Nickel	Total	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:45:00 PM	Selenium	Dissolved	=	6.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:57:00 PM	Selenium	Total	=	6.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Zinc	Dissolved	DNQ	1.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 9:56:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 10:28:00 PM	Nitrate + Nitrite as N	n/a	=	0.98	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 12:54:00 PM	Phosphorus as P	Dissolved	DNQ	0.0046	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 12:41:00 PM	Phosphorus as P	Total	=	0.011	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	0.39	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	LB-LCSR
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 8:44:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.8	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.45	µg/L	EPA 625	0.18	1	WKL	UL-MB
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Diethyl phthalate	n/a	=	4.2	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 8:44:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Phenol	n/a	DNQ	0.21	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	DCPA (Dacthal)	n/a	=	0.61	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 7:52:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Pentachlorophenol	n/a	DNQ	0.95	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	1198	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/29/2016 12:40:00 PM	Enterococcus	n/a	=	160	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/31/2016 7:35:00 AM	Fecal Coliform	n/a	=	140000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	410600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Conductivity	n/a	=	1145	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.006	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	DO	n/a	=	4.98	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	DO	n/a	=	50.7	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	pH	n/a	=	7.64	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Specific Conductance	n/a	=	1382	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Temperature	n/a	=	16	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/4/2016 5:11:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/2/2016 2:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/2/2016 2:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 6:10:00 PM	Chloride	n/a	=	96	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 6:10:00 PM	Fluoride	n/a	DNQ	0.7	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/5/2016 3:33:00 PM	Perchlorate	n/a	=	11	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 6:10:00 PM	Sulfate	Total	=	290	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Calcium	Total	=	146	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Magnesium	Total	=	44.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Potassium	Total	=	4.4	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Sodium	Total	=	83	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 8:24:00 PM	COD	n/a	=	6.3	mg/L	EPA 410.4	0.73	5	WKL	UL-MB
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	77	mg/L	SM 5310 C	10	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	3.6	mg/L	SM 5310 C	0.065	1.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Hardness as CaCO3	Total	=	549	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	10/29/2016 4:14:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 9:37:00 AM	Phenolics	n/a	DNQ	0.0043	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 1:13:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	910	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	3	mg/L	SM 5310 C	0.018	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	44	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	10/29/2016 6:53:00 PM	Turbidity	n/a	=	21	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/28/2016 11:36:00 PM	Diesel Range Organics	n/a	DNQ	0.088	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/28/2016 11:36:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Aluminum	Dissolved	DNQ	2	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Aluminum	Total	=	810	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Antimony	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Antimony	Total	DNQ	0.12	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Cadmium	Total	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Chromium	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Chromium	Total	=	2.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/10/2016 8:09:00 PM	Chromium VI	n/a	=	0.051	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Copper	Dissolved	=	0.64	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Copper	Total	=	1.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:29:00 PM	Iron	Dissolved	DNQ	5.8	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Iron	Total	=	1200	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Lead	Total	=	0.41	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/17/2016 3:47:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/17/2016 3:49:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Nickel	Total	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Selenium	Dissolved	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Zinc	Dissolved	DNQ	3.1	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Zinc	Total	=	6.8	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	10/29/2016 4:27:00 PM	Nitrate + Nitrite as N	n/a	=	0.15	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/10/2016 12:50:00 PM	Phosphorus as P	Dissolved	=	0.052	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/7/2016 7:59:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	0.38	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Diethyl phthalate	n/a	=	4	µg/L	EPA 625	0.15	1	WKL	HB-LCSR
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Dimethyl phthalate	n/a	DNQ	0.34	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachlorobutadiene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:46:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/21/2016 9:30:00 PM	E. Coli	n/a	=	1137	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/22/2016 4:00:00 AM	Enterococcus	n/a	=	359	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	790	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/21/2016 9:30:00 PM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Conductivity	n/a	=	1018	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	DO	n/a	=	7.32	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	DO	n/a	=	68.3	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Specific Conductance	n/a	=	1362	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Temperature	n/a	=	11.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/30/2016 4:58:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	12/1/2016 3:20:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/23/2016 12:28:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/23/2016 12:28:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	110	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.02	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/12/2016 8:50:00 PM	Perchlorate	n/a	=	11	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	310	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Calcium	Total	=	148	mg/L	EPA 200.7	0.032	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Magnesium	Total	=	45.3	mg/L	EPA 200.7	0.024	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Potassium	Total	=	5.3	mg/L	EPA 200.7	0.16	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Sodium	Total	=	83	mg/L	EPA 200.7	0.03	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO ₃	n/a	=	330	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	2.3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	20	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	91	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	3.8	mg/L	SM 5310 C	0.052	1.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Hardness as CaCO ₃	Total	=	557	mg/L	EPA 200.7	0.179	1.32	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/28/2016 11:25:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	950	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	3.5	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	19	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 4:00:00 AM	Diesel Range Organics	n/a	=	0.29	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 4:00:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Aluminum	Dissolved	=	15	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Aluminum	Total	=	650	µg/L	EPA 200.8	6.5	25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Antimony	Dissolved	DNQ	0.085	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Antimony	Total	DNQ	0.084	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Arsenic	Total	DNQ	1.3	µg/L	EPA 200.8	0.37	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Barium	Total	=	58	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Beryllium	Total	DNQ	0.034	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Cadmium	Total	<	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/9/2016 4:48:00 PM	Chromium	Dissolved	DNQ	0.055	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Chromium	Total	=	1.7	µg/L	EPA 200.8	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.046	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Copper	Dissolved	=	0.62	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Copper	Total	DNQ	1.4	µg/L	EPA 200.8	0.65	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 11:42:00 AM	Iron	Dissolved	=	10	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Iron	Total	=	980	µg/L	EPA 200.7	2.2	20	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Lead	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Lead	Total	=	0.3	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 2:27:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 2:29:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Nickel	Dissolved	=	2.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Nickel	Total	=	4.4	µg/L	EPA 200.8	0.22	4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Selenium	Dissolved	=	0.43	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Selenium	Total	=	0.5	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Zinc	Dissolved	DNQ	0.99	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Zinc	Total	<	4.7	µg/L	EPA 200.8	4.7	25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.13	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/22/2016 10:05:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 8:25:00 PM	Phosphorus as P	Dissolved	=	0.071	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 2:18:00 PM	Phosphorus as P	Total	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	0.55	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	33	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Diethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Fensulfotthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/28/2016 8:55:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/17/2016 12:44:00 AM	Enterococcus	n/a	=	4352	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/19/2016 2:40:00 PM	Fecal Coliform	n/a	=	2400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	104620	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Conductivity	n/a	=	1027	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	DO	n/a	=	6.26	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	DO	n/a	=	58	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Specific Conductance	n/a	=	1350	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Temperature	n/a	=	12.5	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/22/2016 10:28:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	1/5/2017 4:54:00 PM	Oil and Grease	n/a	DNQ	3.1	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/20/2016 5:54:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/20/2016 5:54:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	100	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.45	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 8:46:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Calcium	Total	=	128	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Magnesium	Total	=	40.4	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Potassium	Total	=	6.1	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Sodium	Total	=	75	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	320	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	3.3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 10:52:00 AM	COD	n/a	=	9.2	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	83	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	4.1	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Hardness as CaCO3	Total	=	485	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:35:00 AM	Phenolics	n/a	DNQ	0.0065	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	830	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	4.2	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	67	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	47	NTU	EPA 180.1	0.24	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	9	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/5/2017 2:47:00 PM	Diesel Range Organics	n/a	=	0.5	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/5/2017 2:47:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/3/2017 2:30:00 PM	Aluminum	Dissolved	DNQ	1.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/3/2017 2:51:00 PM	Aluminum	Total	=	1700	µg/L	EPA 200.8	13	50	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Antimony	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Antimony	Total	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Barium	Total	=	66	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Beryllium	Total	DNQ	0.083	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Cadmium	Dissolved	DNQ	0.065	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Chromium	Dissolved	DNQ	0.072	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Chromium	Total	=	5.1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.036	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Copper	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Copper	Total	=	3.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:19:00 PM	Iron	Dissolved	=	10	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Iron	Total	=	2400	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 2:51:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 3:13:00 PM	Lead	Total	=	0.8	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 2:17:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 2:19:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Nickel	Dissolved	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Nickel	Total	=	9.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 3:32:00 PM	Selenium	Dissolved	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 3:50:00 PM	Selenium	Total	=	0.81	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Silver	Dissolved	DNQ	0.081	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 2:51:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 3:13:00 PM	Thallium	Total	DNQ	0.023	µg/L	EPA 200.8	0.014	0.2	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Zinc	Total	=	8.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	DNQ	0.078	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/20/2016 12:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 4:40:00 PM	Phosphorus as P	Dissolved	=	0.094	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 12:59:00 PM	Phosphorus as P	Total	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	0.6	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 10:35:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Diethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Chlorpyrifos	n/a	=	0.5	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 3:09:00 PM	Glyphosate	n/a	DNQ	2.1	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Toxothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 5:50:00 AM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 6:50:00 AM	Enterococcus	n/a	=	12997	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/23/2017 7:20:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 5:50:00 AM	Total Coliform	n/a	=	68670	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Conductivity	n/a	=	1147	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/31/2017 10:14:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	DO	n/a	=	56.6	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	DO	n/a	=	6.2	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	pH	n/a	=	7.47	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Specific Conductance	n/a	=	1576	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Temperature	n/a	=	10.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 9:39:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/24/2017 5:08:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 6:45:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 6:45:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	100	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.4	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 12:59:00 AM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	350	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Calcium	Total	=	165	mg/L	EPA 200.7	0.032	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Magnesium	Total	=	50.7	mg/L	EPA 200.7	0.024	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Potassium	Total	=	3.6	mg/L	EPA 200.7	0.16	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Sodium	Total	=	100	mg/L	EPA 200.7	0.03	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/29/2017 12:52:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	25	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	77	mg/L	SM 5310 C	10	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	4	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Hardness as CaCO3	Total	=	621	mg/L	EPA 200.7	0.179	1.32	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 8:54:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	3.8	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	30	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 1:49:00 PM	Diesel Range Organics	n/a	DNQ	0.058	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 1:49:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Aluminum	Total	=	690	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Antimony	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Antimony	Total	DNQ	0.12	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Arsenic	Dissolved	=	0.67	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Arsenic	Total	=	0.83	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Barium	Total	=	66	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Beryllium	Total	DNQ	0.041	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Cadmium	Total	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Chromium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Chromium	Total	=	1.8	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.075	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Copper	Total	=	2.2	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 11:56:00 AM	Iron	Dissolved	DNQ	9.5	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	2.2	20	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Lead	Total	=	0.48	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/26/2017 3:14:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/26/2017 3:16:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Nickel	Total	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Selenium	Total	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Zinc	Dissolved	DNQ	2.3	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Zinc	Total	DNQ	4.5	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 11:31:00 AM	Nitrate + Nitrite as N	n/a	=	0.61	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/1/2017 6:34:00 PM	Phosphorus as P	Dissolved	=	0.033	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/1/2017 5:12:00 PM	Phosphorus as P	Total	=	0.095	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	0.32	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Diethyl phthalate	n/a	=	11	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Dimethyl phthalate	n/a	DNQ	0.19	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Chlorpyrifos	n/a	=	0.16	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 7:56:00 PM	Glyphosate	n/a	DNQ	4.6	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 3:08:00 PM	Chloride	n/a	=	55	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 3:08:00 PM	Fluoride	n/a	DNQ	0.46	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/20/2017 7:00:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 3:08:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 9:00:00 AM	E. Coli	n/a	=	20	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 3:00:00 PM	Enterococcus	n/a	<	10	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/27/2017 10:00:00 AM	Fecal Coliform	n/a	=	20	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 9:00:00 AM	Total Coliform	n/a	=	4106	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Magnesium	Total	=	36.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Potassium	Total	=	2.8	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Sodium	Total	=	61	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 1:13:00 PM	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/29/2017 4:45:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:38:00 PM	COD	n/a	=	8	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Conductivity	n/a	=	1031	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:08:00 PM	Dissolved Inorganic Carbon	Dissolved	=	72	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	2.6	mg/L	SM 5310 C	0.026	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	DO	n/a	=	97.2	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	DO	n/a	=	8.8	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Hardness as CaCO3	Total	=	491	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 6:58:00 PM	MBAS	n/a	DNQ	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 10:12:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Specific Conductance	n/a	=	1142	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 3:15:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Temperature	n/a	=	19.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 7:30:00 PM	Total Dissolved Solids	n/a	=	810	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 4:05:00 PM	Total Organic Carbon	n/a	=	2.2	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 4:30:00 PM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 12:19:00 PM	Turbidity	n/a	=	0.46	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 6:54:00 PM	Diesel Range Organics	n/a	DNQ	0.086	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/26/2017 1:25:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/26/2017 2:59:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 6:54:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:35:00 PM	Aluminum	Dissolved	DNQ	2.3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:57:00 PM	Aluminum	Total	=	23	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Antimony	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Arsenic	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Arsenic	Total	DNQ	0.38	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Barium	Total	=	59	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Chromium	Dissolved	=	0.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Chromium	Total	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 8:00:00 AM	Chromium VI	n/a	=	0.064	µg/L	EPA 218.6	0.0048	0.02	WKL	EST
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Copper	Dissolved	=	0.78	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Copper	Total	=	0.94	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:38:00 PM	Iron	Dissolved	DNQ	9	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Iron	Total	=	25	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:35:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:57:00 PM	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 3:54:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 3:56:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:35:00 PM	Nickel	Dissolved	=	0.88	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:57:00 PM	Nickel	Total	=	0.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Selenium	Dissolved	=	2.7	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Selenium	Total	=	2.8	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Zinc	Dissolved	DNQ	4.8	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Zinc	Total	DNQ	3.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 3:42:00 PM	Nitrate + Nitrite as N	n/a	=	2.7	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:34:00 PM	Phosphorus as P	Dissolved	DNQ	0.006	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:11:00 PM	Phosphorus as P	Total	=	0.011	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRDP
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 4:44:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRDP
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.46	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.18	1	WKL	UL-MB
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Diethyl phthalate	n/a	=	14	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 4:44:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Phenol	n/a	DNQ	0.28	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	Phenol	n/a	DNQ	0.4	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 5:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 8:51:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Simazine	n/a	DNQ	0.031	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/21/2016 9:00:00 PM	E. Coli	n/a	=	86640	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/24/2016 8:05:00 AM	Fecal Coliform	n/a	=	210000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/21/2016 9:00:00 PM	Total Coliform	n/a	=	517200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Conductivity	n/a	=	241.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0047	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	DO	n/a	=	9.23	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	DO	n/a	=	91.6	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	pH	n/a	=	7.65	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Specific Conductance	n/a	=	279.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Temperature	n/a	=	16.2	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/30/2016 5:29:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/24/2016 8:19:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/24/2016 8:19:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.086	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/12/2016 9:10:00 PM	Perchlorate	n/a	DNQ	1.3	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	16	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Calcium	Total	=	12.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Magnesium	Total	=	2.73	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Potassium	Total	=	4.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Sodium	Total	=	10	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	31	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	25	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	140	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.6	mg/L	SM 5310 C	2	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	20	mg/L	SM 5310 C	0.13	3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Hardness as CaCO3	Total	=	42	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.26	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/28/2016 11:26:00 AM	Phenolics	n/a	=	0.026	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	130	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	29	mg/L	SM 5310 C	0.09	3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	86	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	27	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 4:35:00 AM	Diesel Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 4:35:00 AM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Aluminum	Dissolved	=	33	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	6.5	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Antimony	Dissolved	=	0.87	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.37	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Beryllium	Total	DNQ	0.083	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Cadmium	Dissolved	DNQ	0.062	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Cadmium	Total	DNQ	0.21	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Chromium	Dissolved	=	0.68	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Chromium	Total	=	4.6	µg/L	EPA 200.8	0.18	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.34	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Copper	Total	=	36	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 11:45:00 AM	Iron	Dissolved	=	67	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Iron	Total	=	2700	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Lead	Dissolved	=	0.26	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Lead	Total	=	4.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 2:35:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 2:37:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Nickel	Dissolved	=	3.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Nickel	Total	=	7.7	µg/L	EPA 200.8	0.22	4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Selenium	Total	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Silver	Total	DNQ	0.092	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Thallium	Total	DNQ	0.027	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Zinc	Dissolved	=	69	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Zinc	Total	=	170	µg/L	EPA 200.8	4.7	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.81	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/22/2016 10:12:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 8:26:00 PM	Phosphorus as P	Dissolved	=	0.31	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 2:34:00 PM	Phosphorus as P	Total	=	0.77	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4-Dinitrophenol	n/a	DNQ	6.8	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.3	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 8:45:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	4,4'-DDE	n/a	DNQ	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	4,4'-DDT	n/a	DNQ	0.039	µg/L	EPA 608	0.031	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Aldrin	n/a	DNQ	0.02	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	alpha-BHC	n/a	DNQ	0.029	µg/L	EPA 608	0.018	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	beta-BHC	n/a	DNQ	0.035	µg/L	EPA 608	0.031	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	delta-BHC	n/a	=	0.058	µg/L	EPA 608	0.025	0.05	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Dichlorvos	n/a	DNQ	0.0099	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endosulfan I	n/a	DNQ	0.021	µg/L	EPA 608	0.017	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endosulfan II	n/a	DNQ	0.02	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endrin aldehyde	n/a	DNQ	0.032	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	gamma-BHC (Lindane)	n/a	DNQ	0.041	µg/L	EPA 608	0.021	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/28/2016 9:08:00 PM	Glyphosate	n/a	=	5.6	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Heptachlor	n/a	DNQ	0.023	µg/L	EPA 608	0.017	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Malathion	n/a	=	0.077	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Naled	n/a	DNQ	0.0082	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Pentachlorophenol	n/a	DNQ	0.15	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:40:00 PM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/19/2016 2:47:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:40:00 PM	Total Coliform	n/a	=	34480	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Conductivity	n/a	=	95.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	92	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	9.43	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Specific Conductance	n/a	=	120.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Temperature	n/a	=	14.2	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/21/2016 1:02:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 6:23:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 6:23:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	5.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.064	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 9:06:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	7.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Calcium	Total	=	7.39	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Magnesium	Total	=	1.44	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Potassium	Total	=	2.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Sodium	Total	=	5.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 1:30:00 AM	Alkalinity as CaCO3	n/a	=	25	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	61	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.4	mg/L	SM 5310 C	2	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.4	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Hardness as CaCO3	Total	=	24.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.019	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Phenolics	n/a	=	0.013	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	100	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	48	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	52	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	23	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	18	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/5/2017 3:22:00 PM	Diesel Range Organics	n/a	=	0.69	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/5/2017 3:22:00 PM	Oil Range Organics	n/a	=	0.74	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/3/2017 2:31:00 PM	Aluminum	Dissolved	=	19	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/3/2017 3:18:00 PM	Aluminum	Total	=	820	µg/L	EPA 200.8	13	50	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Arsenic	Dissolved	=	0.82	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Arsenic	Total	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Barium	Total	=	20	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Beryllium	Total	DNQ	0.046	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Cadmium	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Chromium	Dissolved	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Chromium	Total	=	2.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.32	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Copper	Dissolved	=	8.5	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:25:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 2:53:00 PM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 3:15:00 PM	Lead	Total	=	2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 2:20:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 2:22:00 PM	Mercury	Total	DNQ	29	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Nickel	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Nickel	Total	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 3:33:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 3:51:00 PM	Selenium	Total	DNQ	0.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 2:53:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 3:15:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Zinc	Dissolved	=	35	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Zinc	Total	=	78	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.33	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/20/2016 12:31:00 PM	Nitrate + Nitrite as N	n/a	=	0.72	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 4:54:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 1:00:00 PM	Phosphorus as P	Total	=	0.34	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benididine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Chlorpyrifos	n/a	DNQ	0.0097	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Dichlorvos	n/a	=	0.018	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Fensulfiothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 3:48:00 PM	Glyphosate	n/a	=	6.8	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Malathion	n/a	=	0.049	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Naled	n/a	=	0.01	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	2359	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/22/2017 8:55:00 AM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Conductivity	n/a	=	35.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	2/2/2017	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	DO	n/a	=	9.92	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	DO	n/a	=	91.6	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Specific Conductance	n/a	=	48.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/21/2017 1:15:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 8:10:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 8:10:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	4.1	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 2:01:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	6	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Calcium	Total	=	6.06	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Magnesium	Total	=	1.24	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Potassium	Total	=	1.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Sodium	Total	=	4.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	16	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	6	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	43	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.1	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	5.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Hardness as CaCO3	Total	=	20.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	=	0.099	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 9:02:00 AM	Phenolics	n/a	DNQ	0.0075	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	68	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/25/2017 8:30:00 PM	Total Dissolved Solids	n/a	=	39	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	75	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	19	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	22	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 3:35:00 PM	Diesel Range Organics	n/a	=	0.39	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 3:35:00 PM	Oil Range Organics	n/a	=	0.72	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Aluminum	Total	=	970	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Antimony	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Antimony	Total	=	0.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Arsenic	Dissolved	=	0.61	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Arsenic	Total	=	0.99	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Barium	Total	=	19	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Beryllium	Total	DNQ	0.038	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Chromium	Dissolved	=	0.42	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Chromium	Total	=	2.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Copper	Dissolved	=	3.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Copper	Total	=	8.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:51:00 PM	Iron	Dissolved	=	22	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Iron	Total	=	1400	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Lead	Dissolved	DNQ	0.076	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Lead	Total	=	2.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/26/2017 3:33:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/26/2017 3:35:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Nickel	Dissolved	DNQ	0.79	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Nickel	Total	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Selenium	Total	DNQ	0.15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Zinc	Dissolved	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Zinc	Total	=	60	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/31/2017 10:33:00 PM	Ammonia as N Nitrate + Nitrite as N Phosphorus as P Phosphorus as P	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 11:38:00 AM		n/a	=	0.45	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/1/2017 6:38:00 PM		Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/1/2017 5:42:00 PM		Total	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	0.87	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	1.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 8:35:00 PM	Glyphosate	n/a	=	6.1	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Malathion	n/a	=	0.039	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Pentachlorophenol	n/a	DNQ	0.052	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	190	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.78	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/31/2017 10:55:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	360	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Calcium	Total	=	110	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Magnesium	Total	=	26.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Potassium	Total	=	18	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Sodium	Total	=	180	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	=	8.9	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	66	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	40	mg/L	SM 5310 C	10	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	23	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Hardness as CaCO3	Total	=	383	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	=	0.18	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 1:40:00 PM	Phenolics	n/a	=	0.038	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	1600	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	23	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	1.6	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/25/2017 12:55:00 AM	Diesel Range Organics	n/a	=	0.24	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/25/2017 12:55:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/2/2017 1:28:00 PM	Aluminum	Dissolved	DNQ	2.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/2/2017 1:32:00 PM	Aluminum	Total	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Antimony	Dissolved	=	0.76	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Antimony	Total	=	0.73	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Arsenic	Dissolved	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Arsenic	Total	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Cadmium	Dissolved	DNQ	0.055	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Cadmium	Total	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:34:00 PM	Iron	Dissolved	=	33	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Iron	Total	=	76	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Lead	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Lead	Total	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 1:46:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 1:47:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Nickel	Dissolved	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Nickel	Total	=	2.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Selenium	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Selenium	Total	DNQ	0.29	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Zinc	Dissolved	=	5.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Zinc	Total	=	5.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 11:54:00 AM	Nitrate + Nitrite as N	n/a	DNQ	0.082	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 1:17:00 PM	Phosphorus as P	Dissolved	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:00:00 PM	Phosphorus as P	Total	=	0.36	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.36	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Diethyl phthalate	n/a	=	1.2	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	Phenol	n/a	DNQ	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Phenol	n/a	DNQ	0.21	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	DCEPA (Dacthal)	n/a	=	0.9	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Dichlorvos	n/a	DNQ	0.0036	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/23/2017 11:32:00 AM	Glyphosate	n/a	=	14	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Malathion	n/a	=	0.011	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Pentachlorophenol	n/a	=	1.2	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	122	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	41	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	220	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	22470	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Conductivity	n/a	=	820	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	DO	n/a	=	175.4	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	DO	n/a	=	13.73	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	pH	n/a	=	9.16	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Specific Conductance	n/a	=	781	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Temperature	n/a	=	27.6	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 9:47:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/25/2017 4:16:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/25/2017 4:16:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	920800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Conductivity	n/a	=	234.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.0032	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	DO	n/a	=	8.21	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	DO	n/a	=	87.5	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	pH	n/a	=	8.05	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Specific Conductance	n/a	=	269.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Temperature	n/a	=	19	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/2/2016 10:54:00 PM	Gasoline Range Organics	n/a	DNQ	0.046	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	3.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/2/2016 4:20:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/2/2016 4:20:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 2:17:00 PM	Chloride	n/a	=	14	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.32	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/5/2016 1:49:00 PM	Perchlorate	n/a	=	6.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 2:17:00 PM	Sulfate	Total	=	60	mg/L	EPA 300.0	0.2	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Calcium	Total	=	35.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Magnesium	Total	=	9.19	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Potassium	Total	=	4.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Sodium	Total	=	16	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	74	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:01:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 11:48:00 AM	COD	n/a	=	86	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	16	mg/L	SM 5310 C	2	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 C	0.13	3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Hardness as CaCO3	Total	=	127	mg/L	EPA 200.7	0.0894	0.662	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/29/2016 3:17:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 10:08:00 AM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	310	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	200	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.09	3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	120	NTU	EPA 180.1	0.24	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	82	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/28/2016 8:39:00 PM	Diesel Range Organics	n/a	=	0.7	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/28/2016 8:39:00 PM	Oil Range Organics	n/a	=	0.91	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Aluminum	Total	=	2600	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Antimony	Dissolved	=	0.85	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Arsenic	Total	=	2.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Barium	Total	=	68	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Beryllium	Total	=	0.1	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Cadmium	Dissolved	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Chromium	Dissolved	=	0.72	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Chromium	Total	=	13	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.42	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Copper	Dissolved	=	8.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Copper	Total	=	42	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 11:31:00 AM	Iron	Dissolved	=	52	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Iron	Total	=	4500	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Lead	Dissolved	=	0.26	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Lead	Total	=	7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/18/2016 4:09:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/18/2016 4:11:00 PM	Mercury	Total	DNQ	42	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Selenium	Dissolved	=	3.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Selenium	Total	=	3.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/31/2016 3:57:00 PM	Nitrate + Nitrite as N	n/a	=	0.97	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/10/2016 1:20:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/7/2016 8:58:00 PM	Phosphorus as P	Total	=	0.62	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/7/2016 4:16:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(a)pyrene	n/a	DNQ	1	µg/L	EPA 625	0.65	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(b)fluoranthene	n/a	DNQ	1.2	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Butyl benzyl phthalate	n/a	DNQ	1.3	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	DNQ	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4-DB	n/a	DNQ	1.3	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Chlorpyrifos	n/a	=	0.035	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/31/2016 8:26:00 PM	Glyphosate	n/a	=	8.1	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Malathion	n/a	=	0.046	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Pentachlorophenol	n/a	DNQ	0.086	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	Pentachlorophenol	n/a	DNQ	5.9	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Simazine	n/a	=	4.4	µg/L	EPA 525.2	0.015	0.1	WKL	HB-LCSR
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0032	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Triithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/21/2016 9:52:00 PM	E. Coli	n/a	=	7701	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/23/2016 6:15:00 AM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/21/2016 9:52:00 PM	Total Coliform	n/a	=	344800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Conductivity	n/a	=	168.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0054	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	DO	n/a	=	91.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	DO	n/a	=	8.83	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	pH	n/a	=	7.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Specific Conductance	n/a	=	202.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	12/1/2016 3:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/24/2016 11:08:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/24/2016 11:08:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.089	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/12/2016 10:33:00 PM	Perchlorate	n/a	DNQ	1.8	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	66	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Calcium	Total	=	27.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Magnesium	Total	=	6.37	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Sodium	Total	=	12	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	45	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	4	4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Hardness as CaCO3	Total	=	95.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.35	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/30/2016 9:45:00 AM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	290	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	220	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 C	0.09	3	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	60	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	35	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 6:19:00 AM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 6:19:00 AM	Oil Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Aluminum	Total	=	610	µg/L	EPA 200.8	6.5	25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Antimony	Total	=	0.75	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Arsenic	Total	DNQ	1.4	µg/L	EPA 200.8	0.37	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Barium	Total	=	21	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Cadmium	Dissolved	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Cadmium	Total	DNQ	0.25	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Chromium	Total	=	3.2	µg/L	EPA 200.8	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Copper	Dissolved	=	9.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:00:00 PM	Iron	Dissolved	=	32	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Iron	Total	=	850	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Lead	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Lead	Total	=	1.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 3:01:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 3:03:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Nickel	Total	=	4.7	µg/L	EPA 200.8	0.22	4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Thallium	Total	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Zinc	Dissolved	=	29	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Zinc	Total	=	62	µg/L	EPA 200.8	4.7	25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.48	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/22/2016 10:21:00 AM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 8:33:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 3:22:00 PM	Phosphorus as P	Total	=	0.45	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Diethyl phthalate	n/a	DNQ	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Chlorpyrifos	n/a	=	0.067	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Fensulfuthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/28/2016 10:01:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Pentachlorophenol	n/a	DNQ	0.84	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Pentachlorophenol	n/a	DNQ	0.14	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0038	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/18/2016 6:43:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	204600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Conductivity	n/a	=	308.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	DO	n/a	=	9.25	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	DO	n/a	=	95.7	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	pH	n/a	=	7.94	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Specific Conductance	n/a	=	359.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Temperature	n/a	=	16.7	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/21/2016 6:07:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/20/2016 9:41:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/20/2016 9:41:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	8.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.07	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 11:10:00 PM	Perchlorate	n/a	DNQ	1.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	44	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Calcium	Total	=	19.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Magnesium	Total	=	4.45	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Potassium	Total	=	3.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Sodium	Total	=	8.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	33	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	5.5	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	47	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	8.7	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	5.4	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Hardness as CaCO3	Total	=	68.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/17/2016 7:16:00 PM	MBAS	n/a	=	0.066	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 11:47:00 AM	Phenolics	n/a	DNQ	0.0077	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	210	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	120	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	6.6	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	88	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	47	NTU	EPA 180.1	0.24	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/5/2017 5:43:00 PM	Diesel Range Organics	n/a	=	0.28	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/5/2017 5:43:00 PM	Oil Range Organics	n/a	=	0.54	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/3/2017 2:39:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/3/2017 2:59:00 PM	Aluminum	Total	=	1500	µg/L	EPA 200.8	26	100	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Antimony	Dissolved	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Antimony	Total	=	0.92	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Arsenic	Dissolved	=	0.95	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Barium	Total	=	40	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Beryllium	Total	DNQ	0.082	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Cadmium	Dissolved	=	0.28	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Cadmium	Total	=	1.6	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Chromium	Dissolved	=	0.87	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Chromium	Total	=	5.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.6	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Copper	Dissolved	=	4.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:03:00 PM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Iron	Total	=	2400	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:01:00 PM	Lead	Dissolved	DNQ	0.056	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:24:00 PM	Lead	Total	=	2.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 2:43:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 2:45:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Nickel	Total	=	9.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 3:40:00 PM	Selenium	Dissolved	=	0.88	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 3:58:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:01:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:24:00 PM	Thallium	Total	DNQ	0.13	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Zinc	Total	=	67	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.18	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/20/2016 1:18:00 PM	Nitrate + Nitrite as N	n/a	=	0.98	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 5:07:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 1:29:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:20:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(a)pyrene	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Chlorpyrifos	n/a	=	0.036	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 4:53:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Malathion	n/a	=	0.026	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Pentachlorophenol	n/a	DNQ	0.098	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Ronnal (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 4:36:00 PM		n/a	=	0.48	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM		n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Terbacil	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Thiobencarb	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	81	mg/L	EPA 300.0	0.2	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	=	0.87	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/12/2017 11:06:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	440	mg/L	EPA 300.0	1	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	1014	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	1532	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 7:00:00 AM	Fecal Coliform	n/a	=	4600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Calcium	Total	=	158	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Magnesium	Total	=	49	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Potassium	Total	=	5.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Sodium	Total	=	89	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 4:37:00 PM	Alkalinity as CaCO3	n/a	=	230	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 5:55:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 6:58:00 PM	COD	n/a	=	7.4	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Conductivity	n/a	=	737	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 2:09:00 PM	Dissolved Inorganic Carbon	Dissolved	=	64	mg/L	SM 5310 C	5	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 3:39:00 PM	Dissolved Organic Carbon	Dissolved	=	3.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	DO	n/a	=	7.64	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	DO	n/a	=	80.8	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Hardness as CaCO3	Total	=	596	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 6:56:00 PM	MBAS	n/a	DNQ	0.039	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	pH	n/a	=	8.14	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/12/2017 11:25:00 AM	Phenolics	n/a	DNQ	0.0043	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 12:56:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Specific Conductance	n/a	=	853	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Temperature	n/a	=	17.9	°C	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 6:38:00 PM	Total Dissolved Solids	n/a	=	1000	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 11:04:00 AM	Total Organic Carbon	n/a	=	2.8	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 4:45:00 PM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 4:14:00 PM	Turbidity	n/a	=	0.97	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 4:45:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 8:07:00 PM	Diesel Range Organics	n/a	DNQ	0.079	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 3:16:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 8:07:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Aluminum	Dissolved	DNQ	4.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Aluminum	Total	=	14	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Antimony	Total	DNQ	0.31	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Arsenic	Dissolved	=	0.74	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Arsenic	Total	=	0.73	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Barium	Total	=	31	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 3:49:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 4:01:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Cadmium	Dissolved	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Cadmium	Total	=	0.26	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 3:00:00 PM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0048	0.02	WKL	EST
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Copper	Total	=	5.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/14/2017 11:08:00 AM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Iron	Total	=	37	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Lead	Total	DNQ	0.073	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 3:48:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 3:50:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Nickel	Total	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 3:49:00 PM	Selenium	Dissolved	=	5.9	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 4:01:00 PM	Selenium	Total	=	5.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Zinc	Dissolved	=	5.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Zinc	Total	=	5	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 9:56:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 10:29:00 PM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 12:59:00 PM	Phosphorus as P	Dissolved	=	0.095	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 12:43:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	0.27	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	LB-LCSR
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 9:12:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Diethyl phthalate	n/a	DNQ	0.38	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 9:12:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 8:05:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Pentachlorophenol	n/a	DNQ	0.96	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Simazine	n/a	DNQ	0.091	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/3/2017 9:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/3/2017 9:30:00 AM	Total Coliform	n/a	=	74	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 11:25:00 AM	Calcium	Total	=	147	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 11:25:00 AM	Magnesium	Total	=	42.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Conductivity	n/a	=	1120	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Discharge	n/a	=	0.06	cfs	Field Estimate	-88	0.01	Field Crew	EST
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	DO	n/a	=	13.69	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	DO	n/a	=	163.1	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 11:25:00 AM	Hardness as CaCO3	Total	=	540	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	pH	n/a	=	8.34	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Specific Conductance	n/a	=	1104	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Temperature	n/a	=	24.7	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/17/2017 3:38:00 AM	Total Organic Carbon	n/a	=	4.1	mg/L	SM 5310 C	0.0331	0.3	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Turbidity	n/a	=	1.52	NTU	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 2:32:00 PM	Copper	Dissolved	=	7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 2:32:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 2:32:00 PM	Zinc	Dissolved	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/21/2016 9:20:00 PM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/21/2016 9:20:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Conductivity	n/a	=	6790	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	DO	n/a	=	4.85	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	DO	n/a	=	58.3	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	pH	n/a	=	7.48	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Salinity	n/a	=	5000	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Specific Conductance	n/a	=	8400	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	12/1/2016 5:30:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/24/2016 12:05:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/24/2016 12:05:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	3000	mg/L	EPA 300.0	1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.27	mg/L	EPA 300.0	0.2	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 12:15:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	710	mg/L	EPA 300.0	1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Calcium	Total	=	187	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Magnesium	Total	=	203	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Potassium	Total	=	63	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Sodium	Total	=	1100	mg/L	EPA 200.7	0.03	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/3/2016 6:07:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	89	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	56	mg/L	SM 5310 C	10	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	9.3	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Hardness as CaCO3	Total	=	1300	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/22/2016 6:50:00 PM	MBAS	n/a	=	0.3	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/30/2016 9:52:00 AM	Phenolics	n/a	=	0.024	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/26/2016 3:08:00 AM	Specific Conductance	n/a	=	9200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	5600	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	42	NTU	EPA 180.1	0.048	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	59	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 10:24:00 AM	Diesel Range Organics	n/a	=	0.6	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 10:24:00 AM	Oil Range Organics	n/a	=	0.69	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Aluminum	Dissolved	DNQ	4.2	µg/L	EPA 200.8	2.6	10	WKL	UL-MB
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	2.6	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Antimony	Dissolved	DNQ	0.46	µg/L	EPA 200.8	0.09	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Antimony	Total	DNQ	0.76	µg/L	EPA 200.8	0.09	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.15	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.15	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Barium	Total	=	79	µg/L	EPA 200.8	0.14	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Beryllium	Dissolved	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Beryllium	Total	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Cadmium	Dissolved	<	0.082	µg/L	EPA 200.8	0.082	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Cadmium	Total	=	0.34	µg/L	EPA 200.8	0.082	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Chromium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.07	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.07	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.26	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.26	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 10:52:00 AM	Iron	Dissolved	=	97	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Iron	Total	=	5000	µg/L	EPA 200.7	2.2	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Lead	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.062	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Lead	Total	=	4.9	µg/L	EPA 200.8	0.062	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 3:33:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 3:35:00 PM	Mercury	Total	=	55	ng/L	EPA 245.1	17	50	WKL	UL-MB
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.09	1.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Nickel	Total	=	5.4	µg/L	EPA 200.8	0.09	1.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Selenium	Dissolved	DNQ	0.58	µg/L	EPA 200.8	0.28	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Selenium	Total	=	0.82	µg/L	EPA 200.8	0.28	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Silver	Dissolved	<	0.12	µg/L	EPA 200.8	0.12	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Silver	Total	<	0.12	µg/L	EPA 200.8	0.12	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Thallium	Dissolved	<	0.028	µg/L	EPA 200.8	0.028	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Thallium	Total	DNQ	0.04	µg/L	EPA 200.8	0.028	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Zinc	Dissolved	=	22	µg/L	EPA 200.8	1.9	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Zinc	Total	=	86	µg/L	EPA 200.8	1.9	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.64	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/22/2016 10:33:00 AM	Nitrate + Nitrite as N	n/a	=	0.39	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 8:44:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 3:29:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.7	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Dimethyl phthalate	n/a	DNQ	4.5	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/28/2016 11:17:00 PM	Glyphosate	n/a	DNQ	4.7	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Malathion	n/a	=	0.01	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/16/2016 7:00:00 PM	E. Coli	n/a	=	3578	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/17/2016 8:30:00 PM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/16/2016 7:00:00 PM	Total Coliform	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Conductivity	n/a	=	11700	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	DO	n/a	=	6.01	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	DO	n/a	=	64.9	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	pH	n/a	=	7.44	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Salinity	n/a	=	7500	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Specific Conductance	n/a	=	12800	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Temperature	n/a	=	16.1	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/21/2016 7:08:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/20/2016 10:38:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/20/2016 10:38:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	1400	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 12:52:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	370	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Calcium	Total	=	100	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Magnesium	Total	=	113	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Potassium	Total	=	35	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Sodium	Total	=	680	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	7.5	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	50	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	34	mg/L	SM 5310 C	5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	3.9	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Hardness as CaCO3	Total	=	717	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.16	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/29/2016 11:08:00 AM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 1:48:00 PM	Specific Conductance	n/a	=	5300	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	2700	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	7.1	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	46	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	31	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	15	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/5/2017 9:50:00 PM	Diesel Range Organics	n/a	=	0.39	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/5/2017 9:50:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Aluminum	Dissolved	DNQ	2.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Aluminum	Total	=	400	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 4:17:00 PM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 4:22:00 PM	Antimony	Total	=	0.75	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Arsenic	Dissolved	=	0.82	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Barium	Total	=	38	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Cadmium	Dissolved	DNQ	0.082	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Cadmium	Total	=	0.19	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Chromium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Chromium	Total	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.054	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Copper	Dissolved	=	2.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Copper	Total	=	6.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:10:00 PM	Iron	Dissolved	=	38	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Iron	Total	=	2000	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Lead	Dissolved	DNQ	0.042	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Lead	Total	=	1.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 3:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 3:26:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Nickel	Dissolved	=	3.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Nickel	Total	=	4.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 3:12:00 PM	Selenium	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 3:16:00 PM	Selenium	Total	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Silver	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Silver	Total	DNQ	0.071	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Zinc	Dissolved	=	11	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Zinc	Total	=	32	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.43	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/20/2016 1:30:00 PM	Nitrate + Nitrite as N	n/a	=	0.31	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/29/2016 5:14:00 PM	Phosphorus as P	Dissolved	=	0.09	mg/L	EPA 365.1	0.0014	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 1:36:00 PM	Phosphorus as P	Total	=	0.3	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2-Methylphenol	n/a	DNQ	0.35	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	EST-LCSRPD
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.51	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Dimethyl phthalate	n/a	DNQ	4.8	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Dichlorvos	n/a	DNQ	0.0048	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/21/2016 8:13:00 PM	Glyphosate	n/a	DNQ	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/22/2017 8:50:00 AM	Fecal Coliform	n/a	=	7000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Conductivity	n/a	=	8300	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	2/2/2017	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	DO	n/a	=	74	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	DO	n/a	=	7.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	pH	n/a	=	7.08	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Specific Conductance	n/a	=	10540	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/21/2017 2:16:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 9:07:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 9:07:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/23/2017 4:50:00 PM	Chloride	n/a	=	670	mg/L	EPA 300.0	5	25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/23/2017 4:50:00 PM	Fluoride	n/a	<	1	mg/L	EPA 300.0	1	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 2:42:00 AM	Perchlorate	n/a	<	3.8	µg/L	EPA 314.0	3.8	8	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/23/2017 4:50:00 PM	Sulfate	Total	=	220	mg/L	EPA 300.0	5	25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Calcium	Total	=	73.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Magnesium	Total	=	66.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Potassium	Total	=	18	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Sodium	Total	=	380	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/29/2017 12:52:00 PM	Alkalinity as CaCO3	n/a	=	91	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/31/2017 10:54:00 AM	BOD	n/a	=	3.7	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/26/2017 4:44:00 PM	COD	n/a	=	36	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	23	mg/L	SM 5310 C	5	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Dissolved Organic Carbon	Dissolved	=	3.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Hardness as CaCO3	Total	=	457	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 7:44:00 PM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:05:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/28/2017 1:48:00 PM	Specific Conductance	n/a	=	3100	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/25/2017 8:30:00 PM	Total Dissolved Solids	n/a	=	1700	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	4	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	48	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	20	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	21	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 4:46:00 PM	Diesel Range Organics	n/a	=	0.14	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 4:46:00 PM	Oil Range Organics	n/a	DNQ	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Aluminum	Dissolved	=	5	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Aluminum	Total	=	510	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Antimony	Dissolved	DNQ	0.41	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Antimony	Total	=	0.51	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Arsenic	Dissolved	=	0.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Arsenic	Total	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Barium	Total	=	29	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Cadmium	Total	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Chromium	Dissolved	=	0.24	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Chromium	Total	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.071	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Copper	Total	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:57:00 PM	Iron	Dissolved	=	18	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Iron	Total	=	1800	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Lead	Dissolved	DNQ	0.047	µg/L	EPA 200.8	0.031	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Lead	Total	=	2.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/26/2017 3:41:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/26/2017 3:43:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Nickel	Dissolved	=	0.95	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Nickel	Total	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Selenium	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Zinc	Dissolved	=	7.8	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Zinc	Total	=	25	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.32	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 11:43:00 AM	Nitrate + Nitrite as N	n/a	=	0.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/1/2017 6:47:00 PM	Phosphorus as P	Dissolved	=	0.073	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/1/2017 5:45:00 PM	Phosphorus as P	Total	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/25/2017 7:48:00 PM	TKN	n/a	=	0.93	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Diethyl phthalate	n/a	DNQ	0.19	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Dimethyl phthalate	n/a	=	4	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 9:01:00 PM	Glyphosate	n/a	DNQ	4.1	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Pentachlorophenol	n/a	DNQ	0.056	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 3:08:00 PM	Chloride	n/a	=	3200	mg/L	EPA 300.0	6	30	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 3:08:00 PM	Fluoride	n/a	=	0.7	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/20/2017 7:40:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 3:08:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	6	30	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 9:00:00 AM	E. Coli	n/a	=	1187	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 3:00:00 PM	Enterococcus	n/a	=	256	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 9:15:00 AM	Fecal Coliform	n/a	=	1700	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 9:00:00 AM	Total Coliform	n/a	=	92080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Calcium	Total	=	310	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Magnesium	Total	=	289	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Potassium	Total	=	93	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/11/2017 9:46:00 AM	Sodium	Total	=	1500	mg/L	EPA 200.7	0.15	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 1:13:00 PM	Alkalinity as CaCO3	n/a	=	360	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/29/2017 4:45:00 PM	BOD	n/a	=	7.5	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:38:00 PM	COD	n/a	=	200	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Conductivity	n/a	=	7700	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 6:32:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:08:00 PM	Dissolved Inorganic Carbon	Dissolved	=	110	mg/L	SM 5310 C	20	20	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	3.3	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	DO	n/a	=	13.53	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	DO	n/a	=	153.4	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Hardness as CaCO3	Total	=	1960	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 6:58:00 PM	MBAS	n/a	DNQ	0.14	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	pH	n/a	=	7.9	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 10:18:00 AM	Phenolics	n/a	=	0.04	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Salinity	n/a	=	4800	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Specific Conductance	n/a	=	8500	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 2:43:00 PM	Specific Conductance	n/a	=	11000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Temperature	n/a	=	20.3	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 7:30:00 PM	Total Dissolved Solids	n/a	=	7000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 4:05:00 PM	Total Organic Carbon	n/a	=	4.4	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 4:30:00 PM	Total Suspended Solids	n/a	=	24	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 12:19:00 PM	Turbidity	n/a	=	5.4	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 4:30:00 PM	Volatile Suspended Solids	n/a	=	12	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 8:03:00 PM	Diesel Range Organics	n/a	DNQ	0.07	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 2:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 2:59:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 8:03:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 8:50:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 9:12:00 PM	Aluminum	Total	=	89	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Barium	Total	=	82	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Cadmium	Total	DNQ	0.066	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Chromium	Dissolved	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Chromium	Total	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/6/2017 5:08:00 AM	Chromium VI	n/a	<	0.048	µg/L	EPA 218.6	0.048	0.2	WKL	EST
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Copper	Dissolved	=	0.58	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Copper	Total	=	0.72	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:44:00 PM	Iron	Dissolved	=	46	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Iron	Total	=	930	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 8:50:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 9:12:00 PM	Lead	Total	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 4:01:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 4:03:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 8:50:00 PM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 9:12:00 PM	Nickel	Total	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Selenium	Dissolved	=	0.56	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Selenium	Total	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Zinc	Dissolved	DNQ	3.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Zinc	Total	DNQ	4.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	=	0.2	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 3:46:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.091	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:40:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:18:00 PM	Phosphorus as P	Total	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 6:01:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 5:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benizidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.34	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Dimethyl phthalate	n/a	=	4.6	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 5:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4,5-T	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4,5-TP	n/a	<	0.18	µg/L	EPA 515.3	0.18	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4-DB	n/a	<	0.14	µg/L	EPA 515.3	0.14	4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.18	µg/L	EPA 515.3	0.18	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Acifluorfen	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Bentazon	n/a	<	0.22	µg/L	EPA 515.3	0.22	4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 5:58:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dalapon	n/a	<	0.2	µg/L	EPA 515.3	0.2	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	DCPA (Dacthal)	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dicamba	n/a	<	0.24	µg/L	EPA 515.3	0.24	1.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dichlorprop	n/a	<	0.16	µg/L	EPA 515.3	0.16	0.6	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dinoseb	n/a	<	0.28	µg/L	EPA 515.3	0.28	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 9:17:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Pentachlorophenol	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Picloram	n/a	<	0.1	µg/L	EPA 515.3	0.1	1.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Conductivity	n/a	=	152.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.0033	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	DO	n/a	=	82	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	DO	n/a	=	7.73	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	pH	n/a	=	7.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Specific Conductance	n/a	=	171.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Temperature	n/a	=	18.2	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/2/2016 8:52:00 PM	Gasoline Range Organics	n/a	DNQ	0.05	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/2/2016 2:50:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/2/2016 2:50:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.17	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/5/2016 12:46:00 PM	Perchlorate	n/a	=	3.7	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	21	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Calcium	Total	=	22	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Magnesium	Total	=	6.94	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Sodium	Total	=	8.9	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	84	mg/L	SM 2320 B	0.56	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	79	mg/L	SM 5210 B	2	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	450	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	17	mg/L	SM 5310 C	2	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	75	mg/L	SM 5310 C	0.52	12	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Hardness as CaCO3	Total	=	83.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	1.1	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 10:06:00 AM	Phenolics	n/a	=	0.1	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	230	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	97	mg/L	SM 5310 C	0.72	24	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	1000	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	270	NTU	EPA 180.1	0.48	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	340	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/28/2016 7:28:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/28/2016 7:28:00 PM	Oil Range Organics	n/a	=	1.9	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Aluminum	Dissolved	=	100	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Aluminum	Total	=	5600	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Antimony	Dissolved	=	0.89	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Arsenic	Total	=	3.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Beryllium	Total	=	0.22	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Cadmium	Total	=	0.43	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.27	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Copper	Total	=	45	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:22:00 AM	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Iron	Total	=	6800	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Lead	Dissolved	=	1.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Lead	Total	=	16	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/18/2016 3:50:00 PM	Mercury	Dissolved	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/18/2016 3:52:00 PM	Mercury	Total	=	97	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Nickel	Dissolved	=	8.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Selenium	Total	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Silver	Total	DNQ	0.08	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Zinc	Dissolved	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Zinc	Total	=	260	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	1.6	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/31/2016 12:22:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.041	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/10/2016 1:16:00 PM	Phosphorus as P	Dissolved	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/7/2016 8:09:00 PM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	8.7	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2-Methylphenol	n/a	DNQ	8.8	µg/L	EPA 8270C	3.4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4-DB	n/a	=	8	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/31/2016 7:43:00 PM	Glyphosate	n/a	=	17	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Pentachlorophenol	n/a	=	6.2	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Pentachlorophenol	n/a	=	0.42	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	Pentachlorophenol	n/a	DNQ	6.8	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/21/2016 9:45:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/21/2016 9:45:00 PM	Total Coliform	n/a	=	1732900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Conductivity	n/a	=	193.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0035	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	DO	n/a	=	86	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	DO	n/a	=	8.58	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	pH	n/a	=	7.89	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Specific Conductance	n/a	=	236	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/30/2016 6:36:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	3.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/24/2016 9:15:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/24/2016 9:15:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	5.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.052	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	6.6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Calcium	Total	=	10.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Magnesium	Total	=	2.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Potassium	Total	=	6.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Sodium	Total	=	4.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	190	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Hardness as CaCO3	Total	=	38.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 9:41:00 AM	Phenolics	n/a	=	0.13	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	6.5	25	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Antimony	Dissolved	=	0.55	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Antimony	Total	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Arsenic	Total	DNQ	1.6	µg/L	EPA 200.8	0.37	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Barium	Total	=	37	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Beryllium	Total	DNQ	0.068	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Cadmium	Dissolved	DNQ	0.046	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Cadmium	Total	<	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Chromium	Dissolved	=	0.67	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Chromium	Total	=	4.3	µg/L	EPA 200.8	0.18	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Copper	Total	=	23	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 11:51:00 AM	Iron	Dissolved	=	57	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Iron	Total	=	2300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Lead	Dissolved	=	0.64	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Lead	Total	=	5.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 2:46:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 2:48:00 PM	Mercury	Total	=	58	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Nickel	Dissolved	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Nickel	Total	=	8.9	µg/L	EPA 200.8	0.22	4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Thallium	Total	DNQ	0.021	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Zinc	Dissolved	=	52	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	4.7	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/22/2016 10:14:00 AM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/5/2016 8:28:00 PM	Phosphorus as P	Dissolved	=	0.52	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/5/2016 2:36:00 PM	Phosphorus as P	Total	=	0.96	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	4.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/28/2016 9:21:00 PM	Glyphosate	n/a	DNQ	3.8	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Pentachlorophenol	n/a	=	0.52	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/19/2016 2:43:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Conductivity	n/a	=	63.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	89.2	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	9.2	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	pH	n/a	=	7.75	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Specific Conductance	n/a	=	81.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/21/2016 2:03:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/22/2016 11:30:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 7:20:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 7:20:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	2.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.035	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 9:47:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	3.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Calcium	Total	=	5.59	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Magnesium	Total	=	1.62	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Potassium	Total	=	3.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Sodium	Total	=	2.1	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	9.4	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	43	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.2	mg/L	SM 5310 C	2	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.7	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Hardness as CaCO3	Total	=	20.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.045	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 11:43:00 AM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	64	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	35	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	87	NTU	EPA 180.1	0.24	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	61	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/5/2017 4:33:00 PM	Diesel Range Organics	n/a	=	0.61	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/5/2017 4:33:00 PM	Oil Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/3/2017 2:34:00 PM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/3/2017 2:55:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	13	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Antimony	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Antimony	Total	DNQ	0.35	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Arsenic	Dissolved	=	0.64	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Arsenic	Total	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Barium	Total	=	23	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Beryllium	Total	DNQ	0.062	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Cadmium	Total	DNQ	0.046	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Chromium	Dissolved	=	0.44	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Chromium	Total	=	2.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Copper	Dissolved	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Copper	Total	=	6.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:37:00 PM	Iron	Dissolved	=	45	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Iron	Total	=	1300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 2:56:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 3:19:00 PM	Lead	Total	=	1.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 2:28:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 2:30:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Nickel	Total	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 3:36:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 3:54:00 PM	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 10:00:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 2:56:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 3:19:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Zinc	Dissolved	=	9.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Zinc	Total	=	26	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/20/2016 12:36:00 PM	Nitrate + Nitrite as N	n/a	=	0.5	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 4:57:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:12:00 PM	Phosphorus as P	Total	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 10:45:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 10:00:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 4:14:00 PM	Glyphosate	n/a	=	22	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Pentachlorophenol	n/a	DNQ	0.18	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 6:50:00 AM	E. Coli	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/23/2017 7:25:00 AM	Fecal Coliform	n/a	=	170000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 6:50:00 AM	Total Coliform	n/a	=	155300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Conductivity	n/a	=	42.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	2/2/2017	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	DO	n/a	=	92.7	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	DO	n/a	=	10.38	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Specific Conductance	n/a	=	58.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Temperature	n/a	=	10.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/21/2017 12:44:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/31/2017 5:38:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 7:42:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 7:42:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	3.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.038	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 1:40:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	5.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Calcium	Total	=	7.78	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Magnesium	Total	=	3.37	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Potassium	Total	=	3.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Sodium	Total	=	3.1	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	5.1	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	6	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Hardness as CaCO3	Total	=	33.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	DNQ	0.036	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 9:01:00 AM	Phenolics	n/a	DNQ	0.0071	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	73	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	52	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	6.1	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	120	NTU	EPA 180.1	0.24	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 3:00:00 PM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 3:00:00 PM	Oil Range Organics	n/a	=	0.73	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Aluminum	Dissolved	=	41	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Aluminum	Total	=	4300	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Antimony	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Antimony	Total	DNQ	0.27	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Arsenic	Dissolved	=	0.65	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Barium	Total	=	65	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Chromium	Total	=	8.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Copper	Dissolved	=	2.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Copper	Total	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:48:00 PM	Iron	Dissolved	=	60	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Iron	Total	=	5000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Lead	Dissolved	DNQ	0.092	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Lead	Total	=	6.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/26/2017 3:26:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/26/2017 3:28:00 PM	Mercury	Total	=	51	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Nickel	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Selenium	Total	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Thallium	Total	DNQ	0.037	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Zinc	Dissolved	=	7	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Zinc	Total	=	62	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.16	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 11:36:00 AM	Nitrate + Nitrite as N	n/a	=	0.63	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/1/2017 6:37:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/1/2017 5:41:00 PM	Phosphorus as P	Total	=	0.4	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.4	µg/L	EPA 625	2.3	5	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 9:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 8:22:00 PM	Glyphosate	n/a	=	5.4	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 9:20:00 AM	Pentachlorophenol	n/a	DNQ	0.1	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Pentachlorophenol	n/a	DNQ	0.49	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Conductivity	n/a	=	115.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	DO	n/a	=	8.48	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	DO	n/a	=	88.5	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	pH	n/a	=	8.73	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Specific Conductance	n/a	=	135.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Temperature	n/a	=	17.2	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/3/2016 1:25:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/2/2016 2:14:00 PM	Oil and Grease	n/a	DNQ	3.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/2/2016 5:28:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/2/2016 5:28:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	10	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.15	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/5/2016 2:31:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Calcium	Total	=	44.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Magnesium	Total	=	13.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Potassium	Total	=	15	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Sodium	Total	=	9.6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	110	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	48	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	410	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	20	mg/L	SM 5310 C	5	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Hardness as CaCO3	Total	=	168	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	DNQ	0.22	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 9:41:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	27	mg/L	SM 5310 C	0.09	3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	5700	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	480	NTU	EPA 180.1	0.48	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	770	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/28/2016 9:50:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/28/2016 9:50:00 PM	Oil Range Organics	n/a	=	2	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Aluminum	Dissolved	=	52	µg/L	EPA 200.8	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Aluminum	Total	=	27000	µg/L	EPA 200.8	6.5	25	WKL	HB-MSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Antimony	Dissolved	=	0.85	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Antimony	Total	DNQ	2	µg/L	EPA 200.8	0.22	2.5	WKL	LB-MSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Arsenic	Dissolved	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Arsenic	Total	=	9.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Barium	Total	=	400	µg/L	EPA 200.8	0.36	2.5	WKL	LB-MSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Beryllium	Total	=	0.95	µg/L	EPA 200.8	0.16	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Cadmium	Total	=	2.5	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Chromium	Dissolved	=	0.65	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Chromium	Total	=	50	µg/L	EPA 200.8	0.18	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.055	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Copper	Total	=	79	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 11:37:00 AM	Iron	Dissolved	=	140	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Iron	Total	=	33000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Lead	Dissolved	=	0.38	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Lead	Total	=	53	µg/L	EPA 200.8	0.16	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/18/2016 4:17:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/18/2016 4:19:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Nickel	Total	=	47	µg/L	EPA 200.8	0.22	4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Selenium	Total	<	0.7	µg/L	EPA 200.8	0.7	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Silver	Total	<	0.31	µg/L	EPA 200.8	0.31	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Thallium	Total	DNQ	0.3	µg/L	EPA 200.8	0.07	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Zinc	Dissolved	=	8.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Zinc	Total	=	580	µg/L	EPA 200.8	4.7	25	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/1/2016 4:20:00 PM	Ammonia as N	n/a	=	0.74	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/31/2016 4:01:00 PM	Nitrate + Nitrite as N	n/a	=	0.84	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/10/2016 1:07:00 PM	Phosphorus as P	Dissolved	=	0.69	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/7/2016 8:16:00 PM	Phosphorus as P	Total	=	3.7	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	8.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	1-Methylnaphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4,5-Trichlorophenol	n/a	<	5.8	µg/L	EPA 8270C	5.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4,6-Trichlorophenol	n/a	<	6	µg/L	EPA 8270C	6	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4-Dichlorophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4-Dimethylphenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4-Dinitrophenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2-Chlorophenol	n/a	<	13	µg/L	EPA 8270C	13	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	2-Methylnaphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2-Methylphenol	n/a	<	6.8	µg/L	EPA 8270C	6.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2-Nitrophenol	n/a	<	14	µg/L	EPA 8270C	14	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	3-/4-Methylphenol	n/a	<	6	µg/L	EPA 8270C	6	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 8270C	2.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	4-Chloro-3-methylphenol	n/a	<	7.4	µg/L	EPA 8270C	7.4	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	4-Nitrophenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Acenaphthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benz(a)anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzdine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(b)fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(g,h,i)perylene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(k)fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Chrysene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Dibenz(a,h)anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Fluorene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Naphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Phenanthrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	Phenol	n/a	<	7	µg/L	EPA 8270C	7	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4-DB	n/a	DNQ	1.9	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Chlorpyrifos	n/a	=	0.011	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	DCPA (Dacthal)	n/a	=	0.12	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/31/2016 8:54:00 PM	Glyphosate	n/a	=	16	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Malathion	n/a	=	0.072	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Pentachlorophenol	n/a	=	0.23	µg/L	EPA 515.3	0.04	0.2	WKL	HB-LCSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	Pentachlorophenol	n/a	DNQ	12	µg/L	EPA 8270C	3	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0092	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/21/2016 9:58:00 PM	E. Coli	n/a	=	22470	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/23/2016 5:40:00 AM	Fecal Coliform	n/a	=	160000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/21/2016 9:58:00 PM	Total Coliform	n/a	=	866400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Conductivity	n/a	=	207.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0034	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	DO	n/a	=	86.4	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	DO	n/a	=	8.63	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	pH	n/a	=	8.06	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Specific Conductance	n/a	=	256	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Temperature	n/a	=	24	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	12/1/2016 6:33:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	12/1/2016 3:20:00 PM	Oil and Grease	n/a	DNQ	2.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/27/2016 4:45:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/27/2016 4:45:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	44	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.13	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/12/2016 9:35:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	28	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Calcium	Total	=	24.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Magnesium	Total	=	6.31	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Sodium	Total	=	29	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	77	mg/L	SM 2320 B	0.56	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	26	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	16	mg/L	SM 5310 C	4	4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Hardness as CaCO3	Total	=	88.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/30/2016 9:48:00 AM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	340	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	300	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	34	mg/L	SM 5310 C	0.18	6	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	260	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	61	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 8:39:00 AM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 8:39:00 AM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Aluminum	Dissolved	=	29	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Aluminum	Total	=	3700	µg/L	EPA 200.8	6.5	25	WKL	HB-MSR
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Antimony	Dissolved	=	0.74	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Barium	Total	=	72	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Beryllium	Total	=	0.17	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Cadmium	Dissolved	DNQ	0.058	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Cadmium	Total	DNQ	0.37	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Chromium	Total	=	8	µg/L	EPA 200.8	0.18	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Copper	Dissolved	=	7.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:06:00 PM	Iron	Dissolved	=	49	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Iron	Total	=	4400	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Lead	Dissolved	=	0.24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Lead	Total	=	6.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 3:18:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 3:20:00 PM	Mercury	Total	DNQ	36	ng/L	EPA 245.1	17	50	WKL	UL-MB
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.22	4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Selenium	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Selenium	Total	=	0.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Thallium	Total	DNQ	0.056	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Zinc	Dissolved	=	21	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	4.7	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.8	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/22/2016 10:26:00 AM	Nitrate + Nitrite as N	n/a	=	1.5	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 9:08:00 PM	Phosphorus as P	Dissolved	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 2:43:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	4.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4-Dinitrophenol	n/a	DNQ	13	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2-Methylphenol	n/a	DNQ	3.5	µg/L	EPA 8270C	3.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	9.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	DCPA (Dacthal)	n/a	=	0.28	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/28/2016 10:26:00 PM	Glyphosate	n/a	=	14	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	Pentachlorophenol	n/a	DNQ	7.7	µg/L	EPA 8270C	1.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Pentachlorophenol	n/a	DNQ	0.088	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/17/2016 8:12:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	111990	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Conductivity	n/a	=	101.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	10.13	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	98	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	pH	n/a	=	8.13	pH Units	Field Meter	-88	0.01	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Specific Conductance	n/a	=	129.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/21/2016 8:09:00 AM	Gasoline Range Organics	n/a	DNQ	0.059	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 11:34:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 11:34:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	20	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/21/2016 11:51:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	32	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Calcium	Total	=	19.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Magnesium	Total	=	3.67	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Sodium	Total	=	19	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	58	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	7.3	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	37	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	7.5	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Hardness as CaCO3	Total	=	64	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.036	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 11:01:00 AM	Phenolics	n/a	=	0.012	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	270	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	8	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	64	NTU	EPA 180.1	0.24	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	26	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/5/2017 6:54:00 PM	Diesel Range Organics	n/a	=	0.56	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/5/2017 6:54:00 PM	Oil Range Organics	n/a	DNQ	0.42	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/3/2017 2:42:00 PM	Aluminum	Dissolved	=	29	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/3/2017 3:10:00 PM	Aluminum	Total	=	880	µg/L	EPA 200.8	13	50	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Antimony	Dissolved	=	0.55	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Antimony	Total	=	0.64	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Beryllium	Total	DNQ	0.044	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Cadmium	Total	DNQ	0.077	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Chromium	Dissolved	=	0.83	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Chromium	Total	=	2.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.56	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Copper	Total	=	6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:15:00 PM	Iron	Dissolved	=	37	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Iron	Total	=	940	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:05:00 PM	Lead	Dissolved	DNQ	0.091	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:27:00 PM	Lead	Total	=	1.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 2:58:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 3:00:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Nickel	Total	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 3:43:00 PM	Selenium	Dissolved	=	0.71	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 4:01:00 PM	Selenium	Total	=	0.85	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:05:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:27:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Zinc	Dissolved	=	8.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Zinc	Total	=	22	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/20/2016 1:23:00 PM	Nitrate + Nitrite as N	n/a	=	3.6	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 5:10:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 1:32:00 PM	Phosphorus as P	Total	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	0.95	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4-Dinitrophenol	n/a	DNQ	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2-Methylphenol	n/a	DNQ	0.42	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.67	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.9	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:19:00 PM	Bromacil	n/a	=	1.5	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Dichlorvos	n/a	DNQ	0.0082	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/21/2016 5:18:00 PM	Glyphosate	n/a	=	6.8	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Pentachlorophenol	n/a	DNQ	0.09	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Pentachlorophenol	n/a	DNQ	0.83	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	Pentachlorophenol	n/a	DNQ	0.55	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	390	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	1.6	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/31/2017 9:54:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	270	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	43520	MPN/100 mL	Enterolert	100	100	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	1299700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Calcium	Total	=	104	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Magnesium	Total	=	36.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Potassium	Total	=	54	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Sodium	Total	=	300	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	280	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	=	36	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	230	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Conductivity	n/a	=	1378	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	=	0.0056	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	78	mg/L	SM 5310 C	20	20	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	60	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	DO	n/a	=	86.7	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	DO	n/a	=	9.09	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Hardness as CaCO3	Total	=	412	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	=	0.28	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	pH	n/a	=	8.22	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 1:37:00 PM	Phenolics	n/a	=	0.07	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	2500	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Specific Conductance	n/a	=	1790	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Temperature	n/a	=	13	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1500	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	66	mg/L	SM 5310 C	0.09	3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	=	11	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	5.2	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	=	11	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 11:12:00 PM	Diesel Range Organics	n/a	=	0.74	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/20/2017 12:20:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 11:12:00 PM	Oil Range Organics	n/a	=	0.6	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/2/2017 12:50:00 PM	Aluminum	Dissolved	DNQ	3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/2/2017 12:54:00 PM	Aluminum	Total	=	35	µg/L	EPA 200.8	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Antimony	Total	=	0.97	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Arsenic	Dissolved	=	5.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Arsenic	Total	=	5.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Barium	Total	=	170	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Cadmium	Dissolved	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Chromium	Dissolved	=	0.76	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Chromium	Total	=	0.67	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.29	µg/L	EPA 218.6	0.048	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:25:00 PM	Iron	Dissolved	=	35	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Iron	Total	=	74	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Lead	Dissolved	=	0.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Lead	Total	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:31:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:32:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Nickel	Total	=	7.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Selenium	Total	=	1.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Zinc	Dissolved	=	19	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Zinc	Total	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 11:49:00 AM	Nitrate + Nitrite as N	n/a	=	0.32	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 1:16:00 PM	Phosphorus as P	Dissolved	=	0.27	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:21:00 PM	Phosphorus as P	Total	=	0.47	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	5.1	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:09:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/25/2017 6:08:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.35	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Diethyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/25/2017 6:08:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	DCPA (Dacthal)	n/a	=	0.48	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Fensulfothion	n/a	DNQ	0.0032	µg/L	EPA 525.2m	0.0029	0.01	WKL	UL-MB
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/23/2017 2:08:00 PM	Glyphosate	n/a	=	940	µg/L	EPA 547	18	50	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	579400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 11:28:00 AM	Calcium	Total	=	74.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 11:28:00 AM	Magnesium	Total	=	22.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Conductivity	n/a	=	2202	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Discharge	n/a	=	0.1	cfs	Field Estimate	-88	0.01	Field Crew	EST
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	DO	n/a	=	9.21	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	DO	n/a	=	119.5	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 11:28:00 AM	Hardness as CaCO3	Total	=	281	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	pH	n/a	=	8.8	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Specific Conductance	n/a	=	2062	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Temperature	n/a	=	27.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/17/2017 1:32:00 PM	Total Organic Carbon	n/a	=	30	mg/L	SM 5310 C	0.331	3	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Turbidity	n/a	=	3.62	NTU	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 2:36:00 PM	Copper	Dissolved	=	7.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 2:36:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 2:36:00 PM	Zinc	Dissolved	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Conductivity	n/a	=	220.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.005	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	DO	n/a	=	7.77	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	DO	n/a	=	82.4	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	pH	n/a	=	7.17	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Specific Conductance	n/a	=	252.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Temperature	n/a	=	18.3	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/2/2016 8:22:00 PM	Gasoline Range Organics	n/a	DNQ	0.056	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/2/2016 2:28:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/2/2016 2:28:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	8.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.31	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/5/2016 12:27:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	6.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Calcium	Total	=	18.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Magnesium	Total	=	6.29	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Sodium	Total	=	4.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	78	mg/L	SM 2320 B	0.56	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	41	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	300	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	17	mg/L	SM 5310 C	2	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	26	mg/L	SM 5310 C	0.13	3	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Hardness as CaCO3	Total	=	72	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	0.44	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 10:05:00 AM	Phenolics	n/a	=	0.048	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	110	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	42	mg/L	SM 5310 C	0.18	6	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	2500	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	470	NTU	EPA 180.1	0.48	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	330	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/28/2016 6:53:00 PM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/28/2016 6:53:00 PM	Oil Range Organics	n/a	=	1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Aluminum	Dissolved	=	57	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/9/2016 3:48:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	13	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Antimony	Total	=	0.84	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Arsenic	Total	=	4.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Barium	Total	=	200	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Beryllium	Total	=	0.46	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Cadmium	Total	=	0.41	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Chromium	Dissolved	=	0.66	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Chromium	Total	=	15	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0048	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Copper	Dissolved	=	8.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:19:00 AM	Iron	Dissolved	=	60	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Lead	Dissolved	=	0.62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Lead	Total	=	15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/18/2016 3:43:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/18/2016 3:45:00 PM	Mercury	Total	=	140	ng/L	EPA 245.1	17	50	WKL	LB-MSR
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Nickel	Total	=	21	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Selenium	Total	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Zinc	Dissolved	=	36	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Zinc	Total	=	200	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.69	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/31/2016 12:20:00 PM	Nitrate + Nitrite as N	n/a	=	0.87	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/10/2016 12:58:00 PM	Phosphorus as P	Dissolved	=	0.74	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/7/2016 8:07:00 PM	Phosphorus as P	Total	=	1.6	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	5.4	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 8:45:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2-Methylphenol	n/a	DNQ	4.6	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.6	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	12/3/2016 10:29:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4-DB	n/a	=	2.5	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/31/2016 7:29:00 PM	Glyphosate	n/a	=	5.1	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Pentachlorophenol	n/a	=	0.55	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/21/2016 9:35:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/24/2016 8:05:00 AM	Fecal Coliform	n/a	=	54000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/21/2016 9:35:00 PM	Total Coliform	n/a	=	325500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Conductivity	n/a	=	193.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0033	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	DO	n/a	=	90.6	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	DO	n/a	=	9.17	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	pH	n/a	=	7.61	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Specific Conductance	n/a	=	239	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/30/2016 6:05:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	=	9.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/24/2016 8:47:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/24/2016 8:47:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Calcium	Total	=	31.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Magnesium	Total	=	8.79	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Potassium	Total	=	12	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Sodium	Total	=	4.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Hardness as CaCO3	Total	=	116	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Aluminum	Dissolved	=	44	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Aluminum	Total	=	14000	µg/L	EPA 200.8	6.5	25	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Antimony	Dissolved	DNQ	0.44	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Arsenic	Total	=	5.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Barium	Total	=	310	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Beryllium	Total	=	0.67	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Cadmium	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Cadmium	Total	=	1.1	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Chromium	Dissolved	=	0.67	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Chromium	Total	=	24	µg/L	EPA 200.8	0.18	1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Copper	Total	=	100	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 11:48:00 AM	Iron	Dissolved	=	58	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Iron	Total	=	19000	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Lead	Dissolved	=	0.62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Lead	Total	=	28	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 2:42:00 PM	Mercury	Dissolved	<	34	ng/L	EPA 245.1	34	100	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 2:44:00 PM	Mercury	Total	=	110	ng/L	EPA 245.1	34	100	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Nickel	Total	=	35	µg/L	EPA 200.8	0.22	4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Selenium	Total	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Silver	Total	DNQ	0.16	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Thallium	Total	DNQ	0.16	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Zinc	Dissolved	=	42	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Zinc	Total	=	510	µg/L	EPA 200.8	4.7	25	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/17/2016 8:20:00 PM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	648800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Conductivity	n/a	=	57	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	DO	n/a	=	90.3	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	DO	n/a	=	9.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	pH	n/a	=	7.45	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Specific Conductance	n/a	=	68.4	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Temperature	n/a	=	13.2	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/21/2016 1:33:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/20/2016 6:51:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/20/2016 6:51:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	2.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.029	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 9:27:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	3.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Calcium	Total	=	7.25	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Magnesium	Total	=	2.64	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Sodium	Total	=	2.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	8.7	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	2	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	6.4	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Hardness as CaCO3	Total	=	29	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.035	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 11:42:00 AM	Phenolics	n/a	=	0.032	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	64	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	28	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	8.2	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	280	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	130	NTU	EPA 180.1	0.24	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	50	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/5/2017 3:57:00 PM	Diesel Range Organics	n/a	=	0.35	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/5/2017 3:57:00 PM	Oil Range Organics	n/a	=	0.55	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/3/2017 2:33:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/3/2017 2:54:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	65	250	WKL	HB-MSR
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Antimony	Total	DNQ	0.4	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Arsenic	Dissolved	=	0.59	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Barium	Total	=	78	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Beryllium	Total	=	0.21	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Chromium	Dissolved	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Chromium	Total	=	6.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Copper	Dissolved	=	4.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:31:00 PM	Iron	Dissolved	=	41	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Iron	Total	=	5400	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:36:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:17:00 PM	Lead	Total	=	7.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 2:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 2:26:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Nickel	Dissolved	=	0.82	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Nickel	Total	=	8.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 3:35:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 3:53:00 PM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Silver	Total	DNQ	0.084	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:17:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Zinc	Dissolved	=	7.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Zinc	Total	=	75	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.12	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/20/2016 12:33:00 PM	Nitrate + Nitrite as N	n/a	=	0.4	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 4:55:00 PM	Phosphorus as P	Dissolved	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 1:10:00 PM	Phosphorus as P	Total	=	0.5	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Chlorpyrifos	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 4:01:00 PM	Glyphosate	n/a	=	7.5	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Pentachlorophenol	n/a	DNQ	0.18	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Pentachlorophenol	n/a	DNQ	0.91	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 6:50:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/23/2017 7:25:00 AM	Fecal Coliform	n/a	=	5000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 6:50:00 AM	Total Coliform	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Conductivity	n/a	=	42.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/31/2017 10:14:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	DO	n/a	=	92.7	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	DO	n/a	=	10.3	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	pH	n/a	=	6.89	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Specific Conductance	n/a	=	58.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Temperature	n/a	=	10.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 10:10:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/26/2017 3:51:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 7:14:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 7:14:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	2.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.035	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 1:20:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	2.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Calcium	Total	=	7.77	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Magnesium	Total	=	2.77	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Potassium	Total	=	3.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Sodium	Total	=	2.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	19	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	5	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	51	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	4.7	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Hardness as CaCO3	Total	=	30.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	DNQ	0.025	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 8:59:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	63	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	47	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.1	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	270	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	160	NTU	EPA 180.1	0.24	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	64	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 2:25:00 PM	Diesel Range Organics	n/a	=	0.15	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 2:25:00 PM	Oil Range Organics	n/a	=	0.6	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Aluminum	Dissolved	=	45	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Antimony	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Antimony	Total	DNQ	0.25	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Arsenic	Dissolved	=	0.53	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Barium	Total	=	67	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Beryllium	Total	=	0.23	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Chromium	Total	=	6.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Copper	Dissolved	=	2.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 11:59:00 AM	Iron	Dissolved	=	50	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Lead	Dissolved	DNQ	0.095	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Lead	Total	=	7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/26/2017 3:18:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/26/2017 3:20:00 PM	Mercury	Total	DNQ	43	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Nickel	Dissolved	DNQ	0.52	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Nickel	Total	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Selenium	Total	DNQ	0.21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Thallium	Total	DNQ	0.074	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Zinc	Dissolved	=	6.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Zinc	Total	=	74	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.1	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 11:33:00 AM	Nitrate + Nitrite as N	n/a	=	0.38	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/1/2017 6:36:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/1/2017 5:39:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Diethyl phthalate	n/a	DNQ	0.16	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	4,4'-DDE	n/a	DNQ	0.016	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 8:09:00 PM	Glyphosate	n/a	DNQ	4	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Pentachlorophenol	n/a	DNQ	0.48	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 3:08:00 PM	Chloride	n/a	=	240	mg/L	EPA 300.0	0.9	4.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 3:08:00 PM	Fluoride	n/a	=	0.95	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/20/2017 7:20:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 3:08:00 PM	Sulfate	Total	=	510	mg/L	EPA 300.0	0.9	4.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:00:00 AM	E. Coli	n/a	=	657	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 3:00:00 PM	Enterococcus	n/a	=	2987	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 9:10:00 AM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:00:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Calcium	Total	=	156	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Magnesium	Total	=	94.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Sodium	Total	=	210	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 1:13:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/29/2017 4:45:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:38:00 PM	COD	n/a	=	88	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Conductivity	n/a	=	1181	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0011	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:08:00 PM	Dissolved Inorganic Carbon	Dissolved	=	82	mg/L	SM 5310 C	20	20	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	18	mg/L	SM 5310 C	0.13	3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	DO	n/a	=	14.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	DO	n/a	=	162.8	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Hardness as CaCO3	Total	=	778	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 6:58:00 PM	MBAS	n/a	=	0.073	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	pH	n/a	=	8.73	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 10:17:00 AM	Phenolics	n/a	DNQ	0.0096	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Specific Conductance	n/a	=	1294	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 3:15:00 PM	Specific Conductance	n/a	=	2300	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Temperature	n/a	=	20.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 7:30:00 PM	Total Dissolved Solids	n/a	=	1500	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 4:05:00 PM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 C	0.09	3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 4:30:00 PM	Total Suspended Solids	n/a	=	76	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 12:19:00 PM	Turbidity	n/a	=	3.3	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 4:30:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 7:28:00 PM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 1:56:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 2:59:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 7:28:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 8:43:00 PM	Aluminum	Dissolved	DNQ	3.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 9:05:00 PM	Aluminum	Total	=	150	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Antimony	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Arsenic	Dissolved	=	0.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Arsenic	Total	=	0.69	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Barium	Total	=	87	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Chromium	Dissolved	=	0.57	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Chromium	Total	=	0.55	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/6/2017 4:21:00 AM	Chromium VI	n/a	=	2.2	µg/L	EPA 218.6	0.048	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Copper	Dissolved	=	4.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Copper	Total	=	5.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:41:00 PM	Iron	Dissolved	DNQ	4	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Iron	Total	=	65	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 8:43:00 PM	Lead	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 9:05:00 PM	Lead	Total	=	0.43	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:58:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:59:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 8:43:00 PM	Nickel	Dissolved	=	0.86	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 9:05:00 PM	Nickel	Total	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Selenium	Dissolved	=	4.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Zinc	Dissolved	=	7.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Zinc	Total	=	10	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	DNQ	0.065	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 3:44:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:38:00 PM	Phosphorus as P	Dissolved	=	0.019	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:15:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	2.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 5:12:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.47	µg/L	EPA 8270C	0.14	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	5.8	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	UL-MB
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.32	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Diethyl phthalate	n/a	DNQ	0.16	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 5:12:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Phenol	n/a	DNQ	0.19	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 5:30:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:04:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 8270C	0.15	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/30/2016 9:45:00 AM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	187200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Conductivity	n/a	=	110.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	DO	n/a	=	93.5	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	DO	n/a	=	8.57	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	pH	n/a	=	7.31	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Specific Conductance	n/a	=	128.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Temperature	n/a	=	17.4	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/2/2016 9:53:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/2/2016 3:35:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/2/2016 3:35:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	20	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.25	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/5/2016 2:52:00 PM	Perchlorate	n/a	=	3.6	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	28	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Calcium	Total	=	23.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Magnesium	Total	=	6.47	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Sodium	Total	=	16	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	61	mg/L	SM 2320 B	0.56	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	30	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	330	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	12	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	24	mg/L	SM 5310 C	0.13	3	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Hardness as CaCO3	Total	=	85.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	1	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 9:42:00 AM	Phenolics	n/a	=	0.17	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	33	mg/L	SM 5310 C	0.18	6	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	770	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	160	NTU	EPA 180.1	0.24	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	190	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/28/2016 10:25:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/28/2016 10:25:00 PM	Oil Range Organics	n/a	=	3	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Aluminum	Dissolved	=	34	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Aluminum	Total	=	6300	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Antimony	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Antimony	Total	=	5.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Barium	Total	=	150	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Beryllium	Total	=	0.25	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Cadmium	Total	=	0.96	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Chromium	Total	=	16	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	1.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Copper	Total	=	91	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 11:40:00 AM	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Iron	Total	=	10000	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Lead	Dissolved	=	0.83	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Lead	Total	=	32	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/18/2016 4:20:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/18/2016 4:22:00 PM	Mercury	Total	=	97	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Nickel	Dissolved	=	6.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Nickel	Total	=	21	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Selenium	Dissolved	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Selenium	Total	=	0.87	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Silver	Total	DNQ	0.09	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Thallium	Total	DNQ	0.09	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Zinc	Dissolved	=	77	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Zinc	Total	=	550	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/1/2016 4:20:00 PM	Ammonia as N	n/a	=	0.9	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/31/2016 4:02:00 PM	Nitrate + Nitrite as N	n/a	=	0.83	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/10/2016 1:08:00 PM	Phosphorus as P	Dissolved	=	0.38	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/7/2016 8:17:00 PM	Phosphorus as P	Total	=	1.4	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	5.6	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	4.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4-DB	n/a	=	4.2	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Chlorpyrifos	n/a	=	0.018	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Dichlorvos	n/a	DNQ	0.0073	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/31/2016 9:09:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Malathion	n/a	=	0.055	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	Pentachlorophenol	n/a	DNQ	6	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Pentachlorophenol	n/a	DNQ	0.1	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 9:24:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/21/2016 9:15:00 PM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/23/2016 5:05:00 AM	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/21/2016 9:15:00 PM	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Conductivity	n/a	=	98.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0095	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	DO	n/a	=	9.59	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	pH	n/a	=	7.14	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Specific Conductance	n/a	=	119.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Temperature	n/a	=	15.8	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	12/1/2016 1:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/24/2016 10:11:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/24/2016 10:11:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	14	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/12/2016 11:55:00 PM	Perchlorate	n/a	=	13	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Calcium	Total	=	12.3	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Magnesium	Total	=	3.21	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Potassium	Total	=	4.1	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Sodium	Total	=	13	mg/L	EPA 200.7	0.03	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/3/2016 6:28:00 PM	Alkalinity as CaCO3	n/a	=	35	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	24	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	170	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	23	mg/L	SM 5310 C	0.13	3	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Hardness as CaCO3	Total	=	43.8	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 6:50:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 9:50:00 AM	Phenolics	n/a	=	0.025	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 5:40:00 AM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	32	mg/L	SM 5310 C	0.18	6	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	95	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	34	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	35	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:49:00 AM	Diesel Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:49:00 AM	Oil Range Organics	n/a	=	2.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Aluminum	Dissolved	=	34	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Antimony	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Antimony	Total	=	2.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Barium	Total	=	52	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Beryllium	Total	DNQ	0.05	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Cadmium	Total	=	0.29	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Chromium	Total	=	5.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Copper	Dissolved	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 10:49:00 AM	Iron	Dissolved	=	78	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Iron	Total	=	2900	µg/L	EPA 200.7	2.2	20	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Lead	Dissolved	=	0.73	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Lead	Total	=	9.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:25:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:27:00 PM	Mercury	Total	DNQ	37	ng/L	EPA 245.1	17	50	WKL	UL-MB
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Nickel	Dissolved	=	5.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Selenium	Total	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Zinc	Dissolved	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Zinc	Total	=	220	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.95	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 10:30:00 AM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 9:10:00 PM	Phosphorus as P	Dissolved	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 2:49:00 PM	Phosphorus as P	Total	=	0.68	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4-Dinitrophenol	n/a	DNQ	6.9	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:00:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 1:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Diazinon	n/a	=	0.037	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Dichlorvos	n/a	DNQ	0.0058	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/28/2016 11:05:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Malathion	n/a	=	0.12	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:00:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 7:00:00 PM	E. Coli	n/a	=	10462	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/18/2016 6:47:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 7:00:00 PM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Conductivity	n/a	=	67.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	9.29	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	91.4	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	pH	n/a	=	8.06	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Specific Conductance	n/a	=	84.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/21/2016 4:35:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 8:16:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 8:16:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	5.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.099	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 12:32:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	9.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Calcium	Total	=	7.49	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Magnesium	Total	=	1.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Potassium	Total	=	2.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Sodium	Total	=	6.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:30:00 AM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	64	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.1	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Hardness as CaCO3	Total	=	25.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.28	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/29/2016 11:06:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	94	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	49	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	57	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	31	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	17	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/5/2017 8:04:00 PM	Diesel Range Organics	n/a	=	0.91	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/5/2017 8:04:00 PM	Oil Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Aluminum	Dissolved	=	29	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Aluminum	Total	=	770	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 4:16:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 4:21:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Arsenic	Dissolved	=	0.77	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Arsenic	Total	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Barium	Total	=	22	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Beryllium	Total	DNQ	0.034	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Cadmium	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Chromium	Total	=	3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Copper	Dissolved	=	8.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Copper	Total	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:04:00 PM	Iron	Dissolved	=	44	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Lead	Dissolved	=	0.75	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Lead	Total	=	3.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 3:20:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 3:22:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Nickel	Total	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 3:10:00 PM	Selenium	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 3:15:00 PM	Selenium	Total	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Zinc	Dissolved	=	40	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Zinc	Total	=	80	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.45	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/20/2016 1:27:00 PM	Nitrate + Nitrite as N	n/a	=	0.68	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/29/2016 5:13:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 1:35:00 PM	Phosphorus as P	Total	=	0.28	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	EST-LCSRPD
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(a)pyrene	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	3	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Chlorpyrifos	n/a	=	0.01	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Dichlorvos	n/a	DNQ	0.0071	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 12:25:00 PM	Glyphosate	n/a	=	7.7	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Malathion	n/a	=	0.067	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Pentachlorophenol	n/a	DNQ	0.065	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	1200	mg/L	EPA 300.0	2	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	=	0.95	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 11:26:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	440	mg/L	EPA 300.0	1	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	36540	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	1670	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/7/2017 9:00:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	34100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Calcium	Total	=	195	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Magnesium	Total	=	65.5	mg/L	EPA 200.7	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Potassium	Total	=	28	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Sodium	Total	=	640	mg/L	EPA 200.7	0.03	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 5:55:00 PM	Alkalinity as CaCO ₃	n/a	=	240	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 8:49:00 PM	COD	n/a	=	300	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Conductivity	n/a	=	2513	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	DO	n/a	=	7.42	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	DO	n/a	=	98.9	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Hardness as CaCO ₃	Total	=	755	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	pH	n/a	=	8.42	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 11:27:00 AM	Phenolics	n/a	=	0.12	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Specific Conductance	n/a	=	2260	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/8/2017 12:56:00 PM	Specific Conductance	n/a	=	5700	µmhos/cm	SM 2510 B	1.2	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Temperature	n/a	=	30.9	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 6:34:00 PM	Total Dissolved Solids	n/a	=	3100	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 10:05:00 AM	Total Suspended Solids	n/a	=	84	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 10:05:00 AM	Volatile Suspended Solids	n/a	=	33	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 5:32:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Aluminum	Dissolved	=	7.2	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Aluminum	Total	=	620	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Arsenic	Dissolved	=	4.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Arsenic	Total	=	4.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Barium	Total	=	220	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 3:53:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 4:05:00 PM	Beryllium	Total	DNQ	0.04	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Cadmium	Dissolved	=	0.56	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Cadmium	Total	=	0.95	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Chromium	Dissolved	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Chromium	Total	=	3.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 3:00:00 PM	Chromium VI	n/a	=	0.53	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Copper	Dissolved	=	43	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Copper	Total	=	70	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/14/2017 11:11:00 AM	Iron	Dissolved	=	140	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Iron	Total	=	1500	µg/L	EPA 200.7	2.2	20	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Lead	Dissolved	=	0.87	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Lead	Total	=	4.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/10/2017 3:52:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/10/2017 3:54:00 PM	Mercury	Total	DNQ	33	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Nickel	Dissolved	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 3:53:00 PM	Selenium	Dissolved	=	4.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 4:05:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Thallium	Dissolved	DNQ	0.022	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Thallium	Total	DNQ	0.038	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Zinc	Dissolved	=	93	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 3:54:00 PM	Ammonia as N	n/a	=	1.7	mg/L	EPA 350.1	0.19	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/16/2017 11:53:00 AM	Nitrate + Nitrite as N	n/a	=	3.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 2:14:00 PM	Phosphorus as P	Dissolved	=	0.5	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:51:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	12	mg/L	EPA 351.2	0.25	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 9:40:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 9:40:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dalapon	n/a	=	13	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/31/2016 7:45:00 AM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	488400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Conductivity	n/a	=	748	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	DO	n/a	=	85.3	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	DO	n/a	=	7.92	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	pH	n/a	=	7.66	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Specific Conductance	n/a	=	854	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Temperature	n/a	=	18.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/3/2016 12:25:00 AM	Gasoline Range Organics	n/a	DNQ	0.047	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/2/2016 4:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/2/2016 4:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	36	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.35	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/5/2016 2:10:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	170	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Calcium	Total	=	116	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Magnesium	Total	=	23.2	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Potassium	Total	=	9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Sodium	Total	=	42	mg/L	EPA 200.7	0.015	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO ₃	n/a	=	130	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	38	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	290	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	26	mg/L	SM 5310 C	5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 C	0.13	3	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Hardness as CaCO ₃	Total	=	385	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	0.46	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 9:40:00 AM	Phenolics	n/a	=	0.12	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	640	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	440	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	32	mg/L	SM 5310 C	0.18	6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	4000	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	210	NTU	EPA 180.1	0.24	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	550	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/28/2016 9:14:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/28/2016 9:14:00 PM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Aluminum	Dissolved	=	23	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Aluminum	Total	=	7500	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Antimony	Total	=	4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Arsenic	Dissolved	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Arsenic	Total	=	7.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Barium	Total	=	150	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Beryllium	Total	=	0.29	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Cadmium	Dissolved	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Chromium	Dissolved	=	0.91	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Chromium	Total	=	19	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.56	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Copper	Dissolved	=	7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Copper	Total	=	72	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 11:34:00 AM	Iron	Dissolved	=	150	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Lead	Dissolved	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Lead	Total	=	18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/18/2016 4:13:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/18/2016 4:15:00 PM	Mercury	Total	=	180	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Nickel	Total	=	27	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Selenium	Dissolved	=	3.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Selenium	Total	=	4.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Silver	Total	=	0.22	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Thallium	Total	DNQ	0.12	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Zinc	Dissolved	=	33	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Zinc	Total	=	290	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	1.3	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/31/2016 3:59:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/10/2016 1:21:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/7/2016 8:14:00 PM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	7.9	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2-Methylphenol	n/a	DNQ	2.4	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	5.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Butyl benzyl phthalate	n/a	DNQ	1.1	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Diethyl phthalate	n/a	DNQ	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4-DB	n/a	=	3.9	µg/L	EPA 515.3	0.07	2	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM		4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM		4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM		4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM		Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Chlorpyrifos	n/a	=	0.01	µg/L	EPA 525.2m	0.0069	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Dichlorvos	n/a	DNQ	0.0086	µg/L	EPA 525.2m	0.0029	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL		
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL		

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/31/2016 8:41:00 AM	Glyphosate	n/a	=	9	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Malathion	n/a	=	0.014	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	Pentachlorophenol	n/a	DNQ	3.1	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0053	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/21/2016 9:55:00 PM	E. Coli	n/a	=	3448	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/24/2016 8:02:00 AM	Fecal Coliform	n/a	=	4900	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/21/2016 9:55:00 PM	Total Coliform	n/a	=	195600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Conductivity	n/a	=	417.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	DO	n/a	=	91.2	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	DO	n/a	=	9.07	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	pH	n/a	=	7.41	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Specific Conductance	n/a	=	515	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Temperature	n/a	=	15.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	12/1/2016 4:38:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/24/2016 11:36:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/24/2016 11:36:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	27	mg/L	EPA 300.0	1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/12/2016 10:53:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	160	mg/L	EPA 300.0	1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Calcium	Total	=	53.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Magnesium	Total	=	15.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Potassium	Total	=	4.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Sodium	Total	=	31	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	79	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/27/2016 6:25:00 AM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	16	mg/L	SM 5310 C	4	4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Hardness as CaCO3	Total	=	196	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/30/2016 9:46:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	550	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 10:55:00 PM	Total Dissolved Solids	n/a	=	380	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.09	3	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	92	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	29	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	31	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 6:54:00 AM	Diesel Range Organics	n/a	=	0.88	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 6:54:00 AM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Aluminum	Dissolved	=	13	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	6.5	25	WKL	HB-MSR
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Antimony	Dissolved	=	0.83	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.37	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Barium	Total	=	27	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Cadmium	Dissolved	DNQ	0.074	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Cadmium	Total	DNQ	0.27	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Chromium	Dissolved	=	1.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Chromium	Total	=	4.6	µg/L	EPA 200.8	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Copper	Dissolved	=	8.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.65	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:03:00 PM	Iron	Dissolved	=	36	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 AM	Iron	Total	=	2400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Lead	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Lead	Total	=	3.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 3:05:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 3:07:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Nickel	Total	=	5.8	µg/L	EPA 200.8	0.22	4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Selenium	Dissolved	=	4.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Thallium	Total	DNQ	0.021	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Zinc	Dissolved	=	21	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Zinc	Total	=	78	µg/L	EPA 200.8	4.7	25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.67	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/22/2016 10:23:00 AM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 8:35:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 3:23:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4-Dinitrophenol	n/a	DNQ	6.7	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 625	0.07	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 525.2	0.13	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Diethyl phthalate	n/a	DNQ	0.9	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/28/2016 10:13:00 PM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Pentachlorophenol	n/a	DNQ	0.1	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/17/2016 8:10:00 PM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Conductivity	n/a	=	406.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	9.48	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	92.5	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	pH	n/a	=	7.59	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Specific Conductance	n/a	=	513	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Temperature	n/a	=	14.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/21/2016 6:37:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 10:10:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 10:10:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	21	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 11:30:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	1	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Calcium	Total	=	33.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Magnesium	Total	=	10.2	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Potassium	Total	=	2.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Sodium	Total	=	23	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	71	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	7.1	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	30	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	14	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	5.9	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Hardness as CaCO3	Total	=	126	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.084	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 11:49:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	420	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	230	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	6.9	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	93	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	30	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 10:20:00 AM	Volatile Suspended Solids	n/a	=	29	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/5/2017 6:18:00 PM	Diesel Range Organics	n/a	=	0.46	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/5/2017 6:18:00 PM	Oil Range Organics	n/a	=	0.51	mg/L	EPA 8015D	0.33	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/3/2017 2:48:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/3/2017 3:01:00 PM	Aluminum	Total	=	320	µg/L	EPA 200.8	13	50	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Antimony	Dissolved	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Barium	Total	=	12	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Cadmium	Total	DNQ	0.045	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Chromium	Dissolved	=	0.74	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Chromium	Total	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.58	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Copper	Dissolved	=	5.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Copper	Total	=	8.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:09:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Iron	Total	=	440	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:03:00 PM	Lead	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:25:00 PM	Lead	Total	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 2:50:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 2:52:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Nickel	Total	=	2.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 3:42:00 PM	Selenium	Dissolved	=	3.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 4:00:00 PM	Selenium	Total	=	3.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:25:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Zinc	Dissolved	=	14	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Zinc	Total	=	28	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.36	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/20/2016 1:20:00 PM	Nitrate + Nitrite as N	n/a	=	1.4	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 5:08:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 1:17:00 PM	Phosphorus as P	Total	=	0.19	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2-Methylphenol	n/a	=	1.2	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.66	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	4.2	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Diethyl phthalate	n/a	DNQ	0.79	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Dichlorvos	n/a	DNQ	0.0078	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 5:06:00 PM	Glyphosate	n/a	=	7.6	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Malathion	n/a	DNQ	0.0077	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Pentachlorophenol	n/a	DNQ	0.86	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	Pentachlorophenol	n/a	DNQ	0.61	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	170	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.54	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/31/2017 10:14:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	1.8	9	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	1793	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	281	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 3:30:00 PM	Fecal Coliform	n/a	=	2200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	32820	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Calcium	Total	=	306	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Magnesium	Total	=	111	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Sodium	Total	=	230	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	8.2	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Conductivity	n/a	=	1937	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:32:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	79	mg/L	SM 5310 C	20	20	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	3	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	DO	n/a	=	101.3	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	DO	n/a	=	9.43	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Hardness as CaCO3	Total	=	1220	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	DNQ	0.02	mg/L	SM 5540 C	0.019	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 1:38:00 PM	Phenolics	n/a	=	0.055	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	3100	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Specific Conductance	n/a	=	2211	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Temperature	n/a	=	18.5	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	2300	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	2.5	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	=	7	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	0.23	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 11:46:00 PM	Diesel Range Organics	n/a	DNQ	0.061	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:47:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	DNQ	3.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 11:46:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/2/2017 12:58:00 PM	Aluminum	Dissolved	DNQ	1.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/2/2017 1:02:00 PM	Aluminum	Total	DNQ	3.4	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Arsenic	Total	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Barium	Total	=	15	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Cadmium	Dissolved	DNQ	0.069	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Cadmium	Total	DNQ	0.064	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Chromium	Total	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	1.6	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Copper	Dissolved	=	0.81	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Copper	Total	=	0.94	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:28:00 PM	Iron	Dissolved	DNQ	5	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Iron	Total	=	12	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Lead	Total	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:38:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:40:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Nickel	Total	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Selenium	Dissolved	=	35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Selenium	Total	=	34	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Zinc	Dissolved	DNQ	4.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Zinc	Total	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 11:51:00 AM	Nitrate + Nitrite as N	n/a	=	9	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 1:11:00 PM	Phosphorus as P	Dissolved	DNQ	0.0054	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:08:00 PM	Phosphorus as P	Total	DNQ	0.0076	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/25/2017 3:21:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Diethyl phthalate	n/a	=	1.2	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/25/2017 3:21:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Fensulfothion	n/a	DNQ	0.003	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 10:53:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Pentachlorophenol	n/a	=	1.6	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	181	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 11:55:00 AM	Calcium	Total	=	273	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 11:55:00 AM	Magnesium	Total	=	98.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Conductivity	n/a	=	1636	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Discharge	n/a	=	0.5	cfs	Field Estimate	-88	0.01	Field Crew	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	DO	n/a	=	187.4	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	DO	n/a	=	15.34	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 11:55:00 AM	Hardness as CaCO3	Total	=	1090	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	pH	n/a	=	8.17	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Specific Conductance	n/a	=	1628	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Temperature	n/a	=	25.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/17/2017 2:05:00 PM	Total Organic Carbon	n/a	=	3.3	mg/L	SM 5310 C	0.331	3	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Turbidity	n/a	=	1.75	NTU	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 2:56:00 PM	Copper	Dissolved	=	0.56	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 2:56:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 2:56:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/31/2016 7:45:00 AM	Fecal Coliform	n/a	=	54000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Conductivity	n/a	=	513	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.0055	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	DO	n/a	=	67.6	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	DO	n/a	=	6.05	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	pH	n/a	=	7.69	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Specific Conductance	n/a	=	570	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Temperature	n/a	=	20.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/2/2016 10:23:00 PM	Gasoline Range Organics	n/a	DNQ	0.056	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/2/2016 3:58:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/2/2016 3:58:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 2:17:00 PM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/5/2016 1:28:00 PM	Perchlorate	n/a	=	2.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 2:17:00 PM	Sulfate	Total	=	33	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Calcium	Total	=	27.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Magnesium	Total	=	8.24	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Potassium	Total	=	10	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Sodium	Total	=	11	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	64	mg/L	SM 2320 B	0.56	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:01:00 PM	BOD	n/a	=	34	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 11:48:00 AM	COD	n/a	=	380	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	15	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	28	mg/L	SM 5310 C	0.13	3	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Hardness as CaCO3	Total	=	103	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/29/2016 3:17:00 PM	MBAS	n/a	=	1	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 10:07:00 AM	Phenolics	n/a	=	0.038	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	150	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:05:00 PM	Total Organic Carbon	n/a	=	38	mg/L	SM 5310 C	0.18	6	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	1000	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	270	NTU	EPA 180.1	0.48	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	210	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/28/2016 8:04:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/28/2016 8:04:00 PM	Oil Range Organics	n/a	=	2.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Aluminum	Dissolved	=	38	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Aluminum	Total	=	9700	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Antimony	Total	=	4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Arsenic	Total	=	5.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Barium	Total	=	240	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Beryllium	Total	=	0.4	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Cadmium	Dissolved	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Cadmium	Total	=	1.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Chromium	Dissolved	=	2.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Chromium	Total	=	22	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	1.6	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Copper	Dissolved	=	18	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Copper	Total	=	82	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 11:28:00 AM	Iron	Dissolved	=	110	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Iron	Total	=	15000	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Lead	Dissolved	=	1.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Lead	Total	=	62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/18/2016 4:02:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/18/2016 4:04:00 PM	Mercury	Total	=	64	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Nickel	Dissolved	=	6.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Nickel	Total	=	25	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Selenium	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Selenium	Total	=	0.74	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Silver	Total	=	0.26	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Thallium	Total	DNQ	0.12	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Zinc	Dissolved	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Zinc	Total	=	580	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.9	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/31/2016 3:55:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/10/2016 1:18:00 PM	Phosphorus as P	Dissolved	=	0.57	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/7/2016 8:11:00 PM	Phosphorus as P	Total	=	1.9	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/7/2016 4:16:00 PM	TKN	n/a	=	7.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4-DB	n/a	=	4.3	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Chlorpyrifos	n/a	=	0.043	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Dichlorvos	n/a	DNQ	0.0061	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/31/2016 8:12:00 PM	Glyphosate	n/a	=	36	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Malathion	n/a	=	0.046	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Pentachlorophenol	n/a	=	0.57	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	Pentachlorophenol	n/a	DNQ	6.9	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.008	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/21/2016 9:50:00 PM	E. Coli	n/a	=	38730	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/23/2016 6:15:00 AM	Fecal Coliform	n/a	=	110000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/21/2016 9:50:00 PM	Total Coliform	n/a	=	980400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Conductivity	n/a	=	55.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0058	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	DO	n/a	=	8.53	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	DO	n/a	=	87.2	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	pH	n/a	=	7.4	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Specific Conductance	n/a	=	80.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Temperature	n/a	=	16.1	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	12/1/2016 2:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	3.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/24/2016 10:39:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/24/2016 10:39:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	5.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.066	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/12/2016 9:51:00 PM	Perchlorate	n/a	=	4.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Calcium	Total	=	14.3	mg/L	EPA 200.7	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Magnesium	Total	=	3.26	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Potassium	Total	=	5.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Sodium	Total	=	6.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	25	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	150	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.7	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 C	0.13	3	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Hardness as CaCO3	Total	=	49.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.26	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/30/2016 9:44:00 AM	Phenolics	n/a	=	0.066	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	130	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	31	mg/L	SM 5310 C	0.18	6	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	76	NTU	EPA 180.1	0.24	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	57	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 5:45:00 AM	Diesel Range Organics	n/a	=	2.1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 5:45:00 AM	Oil Range Organics	n/a	=	3.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Aluminum	Dissolved	=	35	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	6.5	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Antimony	Dissolved	=	0.98	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.37	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Barium	Total	=	54	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Beryllium	Total	=	0.1	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Cadmium	Dissolved	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Cadmium	Total	DNQ	0.41	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.18	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1.1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Copper	Dissolved	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Copper	Total	=	35	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 11:57:00 AM	Iron	Dissolved	=	71	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Iron	Total	=	3700	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Lead	Dissolved	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Lead	Total	=	15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 2:57:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 2:59:00 PM	Mercury	Total	=	50	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Nickel	Dissolved	=	4.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.22	4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Selenium	Total	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Zinc	Dissolved	=	98	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Zinc	Total	=	230	µg/L	EPA 200.8	4.7	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.87	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/22/2016 10:19:00 AM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 9:15:00 PM	Phosphorus as P	Dissolved	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 2:39:00 PM	Phosphorus as P	Total	=	0.91	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benididine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Chlorpyrifos	n/a	DNQ	0.0089	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Dichlorvos	n/a	DNQ	0.004	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Fensulfothion	n/a	DNQ	0.0043	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/28/2016 9:47:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Malathion	n/a	=	0.031	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Pentachlorophenol	n/a	=	0.47	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 8270C	0.75	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Stirophos (Tetrachlorvinphos)	n/a	=	0.01	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	30760	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/19/2016 4:50:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Conductivity	n/a	=	207.1	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	=	0.0023	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	DO	n/a	=	180	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	DO	n/a	=	17.79	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Specific Conductance	n/a	=	251.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/21/2016 5:36:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/20/2016 9:13:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/20/2016 9:13:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	3.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.052	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 10:49:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	9.6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Calcium	Total	=	9.42	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Magnesium	Total	=	2.29	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Sodium	Total	=	4.2	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	27	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	13	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	82	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.2	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	9.4	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Hardness as CaCO3	Total	=	33	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/17/2016 7:16:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 11:46:00 AM	Phenolics	n/a	=	0.014	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	91	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	55	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	68	NTU	EPA 180.1	0.24	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	41	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/23/2016 2:48:00 AM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/23/2016 2:48:00 AM	Oil Range Organics	n/a	=	2.4	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/3/2017 2:37:00 PM	Aluminum	Dissolved	=	21	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/3/2017 3:17:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	26	100	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Antimony	Dissolved	=	0.73	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Arsenic	Dissolved	=	0.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Chromium	Dissolved	=	0.87	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.53	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Copper	Dissolved	=	8.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Copper	Total	=	24	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 6:57:00 PM	Iron	Dissolved	=	40	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Iron	Total	=	3400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:00:00 PM	Lead	Dissolved	=	0.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:22:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 2:39:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 2:41:00 PM	Mercury	Total	=	51	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Nickel	Total	=	6.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 3:39:00 PM	Selenium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 3:57:00 PM	Selenium	Total	DNQ	0.31	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Silver	Total	DNQ	0.086	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:22:00 PM	Thallium	Total	DNQ	0.028	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Zinc	Dissolved	=	67	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Zinc	Total	=	180	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.37	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/20/2016 1:16:00 PM	Nitrate + Nitrite as N	n/a	=	0.69	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 5:05:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 1:15:00 PM	Phosphorus as P	Total	=	0.57	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(a)pyrene	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Chlorpyrifos	n/a	=	0.013	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Dichlorvos	n/a	DNQ	0.0043	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 4:40:00 PM	Glyphosate	n/a	=	12	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Malathion	n/a	=	0.021	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Pentachlorophenol	n/a	DNQ	7.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	Pentachlorophenol	n/a	DNQ	2.6	µg/L	EPA 8270C	0.75	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Pentachlorophenol	n/a	=	0.49	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	47000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	410600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Conductivity	n/a	=	1779	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	DO	n/a	=	90.6	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	DO	n/a	=	8.79	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	pH	n/a	=	8.37	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Specific Conductance	n/a	=	2130	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/3/2016 12:55:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/2/2016 2:14:00 PM	Oil and Grease	n/a	DNQ	3.2	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/2/2016 5:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/2/2016 5:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 6:10:00 PM	Chloride	n/a	=	230	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 6:10:00 PM	Fluoride	n/a	DNQ	0.55	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/5/2016 4:15:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 6:10:00 PM	Sulfate	Total	=	340	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Calcium	Total	=	127	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Magnesium	Total	=	107	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Potassium	Total	=	6.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Sodium	Total	=	140	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	20	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 8:24:00 PM	COD	n/a	=	140	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	76	mg/L	SM 5310 C	10	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	9.7	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Hardness as CaCO3	Total	=	756	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	10/29/2016 4:14:00 PM	MBAS	n/a	<	0.095	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:44:00 AM	Phenolics	n/a	=	0.025	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 1:13:00 PM	Specific Conductance	n/a	=	2100	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/2/2016 12:20:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.09	3	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	1900	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	10/29/2016 6:53:00 PM	Turbidity	n/a	=	470	NTU	EPA 180.1	0.48	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	400	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/29/2016 12:11:00 AM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/29/2016 12:11:00 AM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Aluminum	Dissolved	DNQ	3.4	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Aluminum	Total	=	7900	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Antimony	Total	=	0.62	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Arsenic	Dissolved	=	3.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Arsenic	Total	=	5.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Barium	Total	=	82	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Beryllium	Total	=	0.24	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Cadmium	Total	=	0.7	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Chromium	Dissolved	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Chromium	Total	=	22	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/10/2016 8:09:00 PM	Chromium VI	n/a	=	0.073	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:32:00 PM	Iron	Dissolved	=	22	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Lead	Total	=	5.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/17/2016 3:55:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/17/2016 3:57:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Nickel	Dissolved	=	3.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/10/2016 11:12:00 AM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Selenium	Total	=	2.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Thallium	Total	DNQ	0.09	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Zinc	Dissolved	=	5.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Zinc	Total	=	81	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.21	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	10/29/2016 4:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.61	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/10/2016 12:54:00 PM	Phosphorus as P	Dissolved	=	0.076	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/7/2016 8:53:00 PM	Phosphorus as P	Total	=	0.78	mg/L	EPA 365.1	0.014	0.1	WKL	LB-MSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	4.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Dimethyl phthalate	n/a	=	6	µg/L	EPA 625	0.9	5	WKL	HB-LCSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:59:00 PM	Glyphosate	n/a	DNQ	3.1	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Malathion	n/a	DNQ	0.0089	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 10:10:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/24/2016 8:10:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 10:10:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Conductivity	n/a	=	1263	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	DO	n/a	=	9.26	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	DO	n/a	=	89.5	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	pH	n/a	=	8.24	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Specific Conductance	n/a	=	1617	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Temperature	n/a	=	13.6	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	12/1/2016 6:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	12/1/2016 3:20:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/24/2016 12:33:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/24/2016 12:33:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	170	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.2	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/12/2016 11:34:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	260	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Calcium	Total	=	122	mg/L	EPA 200.7	0.032	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Magnesium	Total	=	83.4	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Potassium	Total	=	6.3	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Sodium	Total	=	99	mg/L	EPA 200.7	0.03	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/3/2016 6:07:00 PM	Alkalinity as CaCO3	n/a	=	250	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	75	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	57	mg/L	SM 5310 C	10	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.13	3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Hardness as CaCO3	Total	=	648	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 6:50:00 PM	MBAS	n/a	=	0.062	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 9:49:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	900	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 C	0.09	3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	56	NTU	EPA 180.1	0.24	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	47	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:14:00 AM	Diesel Range Organics	n/a	=	0.56	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:14:00 AM	Oil Range Organics	n/a	DNQ	0.46	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Aluminum	Dissolved	=	5.1	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:33:00 PM	Aluminum	Total	=	13000	µg/L	EPA 200.8	260	1000	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Antimony	Total	=	0.53	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Arsenic	Total	=	5.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Barium	Total	=	110	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Beryllium	Total	=	0.39	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Cadmium	Total	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Chromium	Dissolved	=	0.31	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Chromium	Total	=	34	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.22	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Copper	Total	=	41	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 10:46:00 AM	Iron	Dissolved	=	39	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Iron	Total	=	18000	µg/L	EPA 200.7	2.2	20	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Lead	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Lead	Total	=	10	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:22:00 PM	Mercury	Dissolved	<	34	ng/L	EPA 245.1	34	100	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:24:00 PM	Mercury	Total	=	130	ng/L	EPA 245.1	34	100	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 10:00:00 AM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Nickel	Total	=	36	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Selenium	Total	=	3.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Thallium	Total	DNQ	0.15	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Zinc	Dissolved	DNQ	4.9	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 10:28:00 AM	Nitrate + Nitrite as N	n/a	=	0.9	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 8:41:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 3:25:00 PM	Phosphorus as P	Total	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4-Dinitrophenol	n/a	DNQ	6.6	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benididine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Dimethyl phthalate	n/a	DNQ	3.6	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/28/2016 10:52:00 PM	Glyphosate	n/a	DNQ	3.6	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Trithion	n/a	DNQ	0.07	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/18/2016 6:38:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Conductivity	n/a	=	259.7	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	=	0.0046	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	98.4	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	10.15	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	pH	n/a	=	8.16	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Specific Conductance	n/a	=	329.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/21/2016 7:39:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 11:06:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 11:06:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	57	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 12:11:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	87	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Calcium	Total	=	35.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Magnesium	Total	=	27.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Potassium	Total	=	3.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Sodium	Total	=	41	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	130	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	73	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	30	mg/L	SM 5310 C	5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Hardness as CaCO3	Total	=	204	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.033	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/29/2016 11:05:00 AM	Phenolics	n/a	=	0.036	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	580	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	310	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	370	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	9.6	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	68	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/5/2017 7:29:00 PM	Diesel Range Organics	n/a	=	0.47	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/5/2017 7:29:00 PM	Oil Range Organics	n/a	DNQ	0.43	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Aluminum	Dissolved	=	13	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:51:00 PM	Aluminum	Total	=	4000	µg/L	EPA 200.8	13	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 4:14:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 4:19:00 PM	Antimony	Total	=	0.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Barium	Total	=	32	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Cadmium	Dissolved	DNQ	0.042	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Cadmium	Total	=	0.29	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 3:58:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Iron	Total	=	5300	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Lead	Dissolved	DNQ	0.092	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Lead	Total	=	2.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 3:16:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 3:18:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 3:09:00 PM	Selenium	Dissolved	=	0.57	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 3:13:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Silver	Dissolved	DNQ	0.085	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Thallium	Dissolved	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Zinc	Dissolved	DNQ	4.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Zinc	Total	=	46	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/20/2016 1:25:00 PM	Nitrate + Nitrite as N	n/a	=	0.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/29/2016 5:11:00 PM	Phosphorus as P	Dissolved	=	0.17	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 1:33:00 PM	Phosphorus as P	Total	=	0.46	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4-Dinitrophenol	n/a	DNQ	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2-Methylphenol	n/a	DNQ	0.37	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	EST-LCSRPD
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.68	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Dimethyl phthalate	n/a	=	5.4	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Dichlorvos	n/a	DNQ	0.0086	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/21/2016 7:46:00 PM	Glyphosate	n/a	DNQ	4.1	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	250	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/31/2017 10:34:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	360	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	41	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	52	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	170	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	2909	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Calcium	Total	=	119	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Magnesium	Total	=	116	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Potassium	Total	=	2.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Sodium	Total	=	170	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	360	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:03:00 PM	COD	n/a	DNQ	2.2	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Conductivity	n/a	=	1681	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	100	mg/L	SM 5310 C	20	20	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	3.6	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	DO	n/a	=	10.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	DO	n/a	=	107.5	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Hardness as CaCO3	Total	=	773	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	pH	n/a	=	8.3	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 1:39:00 PM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Specific Conductance	n/a	=	2045	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	2100	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	2.9	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	0.19	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 12:20:00 AM	Diesel Range Organics	n/a	DNQ	0.078	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 9:17:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 12:20:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/2/2017 1:19:00 PM	Aluminum	Dissolved	DNQ	1.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/2/2017 1:23:00 PM	Aluminum	Total	DNQ	4.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Antimony	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Barium	Total	=	20	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Chromium	Dissolved	=	0.38	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.39	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Copper	Dissolved	=	1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Copper	Total	=	1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:31:00 PM	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Iron	Total	DNQ	7	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Lead	Total	DNQ	0.034	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:42:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:44:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Nickel	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Nickel	Total	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Zinc	Dissolved	DNQ	2.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Zinc	Total	DNQ	1.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 11:52:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 1:03:00 PM	Phosphorus as P	Dissolved	DNQ	0.0092	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:12:00 PM	Phosphorus as P	Total	=	0.014	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	0.35	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 3:49:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Dimethyl phthalate	n/a	=	10	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 3:49:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	Phenol	n/a	DNQ	0.36	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 11:06:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Pentachlorophenol	n/a	=	2	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	31	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	48840	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 11:58:00 AM	Calcium	Total	=	47.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 11:58:00 AM	Magnesium	Total	=	34.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Conductivity	n/a	=	1432	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	DO	n/a	=	98.2	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	DO	n/a	=	7.75	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 11:58:00 AM	Hardness as CaCO3	Total	=	261	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	pH	n/a	=	8.05	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Specific Conductance	n/a	=	1707	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Temperature	n/a	=	24.7	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/17/2017 5:57:00 AM	Total Organic Carbon	n/a	=	6.7	mg/L	SM 5310 C	0.0331	0.3	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Turbidity	n/a	=	0.81	NTU	Field Meter	-88	0.01	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 3:01:00 PM	Copper	Dissolved	=	1.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 3:01:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 3:01:00 PM	Zinc	Dissolved	=	32	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/30/2016 9:40:00 AM	Fecal Coliform	n/a	=	170000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	980400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Conductivity	n/a	=	133.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.007	mg/L	ASTM D7511	0.0005	0.002	WKL	EST-FD
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	DO	n/a	=	78.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	DO	n/a	=	7.65	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	pH	n/a	=	7.74	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Specific Conductance	n/a	=	154.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Temperature	n/a	=	17.7	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/2/2016 9:23:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/2/2016 3:13:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/2/2016 3:13:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 2:17:00 PM	Chloride	n/a	=	25	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/5/2016 1:05:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/10/2016 12:40:00 PM	Sulfate	Total	=	72	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Calcium	Total	=	59.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Magnesium	Total	=	15.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Sodium	Total	=	32	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/3/2016 11:48:00 AM	COD	n/a	=	690	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Hardness as CaCO3	Total	=	211	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Aluminum	Dissolved	=	35	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/9/2016 3:52:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	13	50	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Antimony	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Antimony	Total	=	5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Arsenic	Dissolved	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Arsenic	Total	=	12	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Barium	Total	=	240	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Beryllium	Total	=	0.44	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Chromium	Dissolved	=	0.96	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Chromium	Total	=	24	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.65	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Copper	Total	=	430	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 11:25:00 AM	Iron	Dissolved	=	280	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Iron	Total	=	19000	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Lead	Dissolved	=	0.98	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Lead	Total	=	41	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/18/2016 3:54:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/18/2016 3:56:00 PM	Mercury	Total	=	120	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Nickel	Dissolved	=	7.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Nickel	Total	=	33	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Selenium	Dissolved	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Selenium	Total	=	3.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Silver	Total	=	0.24	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Thallium	Total	DNQ	0.15	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Zinc	Dissolved	=	49	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Zinc	Total	=	960	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.9	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	10/31/2016 12:24:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/10/2016 1:17:00 PM	Phosphorus as P	Dissolved	=	0.43	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/7/2016 8:10:00 PM	Phosphorus as P	Total	=	3	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/7/2016 4:16:00 PM	TKN	n/a	=	16	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1016	n/a	<	2.5	µg/L	EPA 608	2.5	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1221	n/a	<	3	µg/L	EPA 608	3	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1232	n/a	<	7.5	µg/L	EPA 608	7.5	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1242	n/a	<	3.5	µg/L	EPA 608	3.5	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1248	n/a	<	3	µg/L	EPA 608	3	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1254	n/a	<	2	µg/L	EPA 608	2	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1260	n/a	<	2	µg/L	EPA 608	2	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4-DB	n/a	=	5.9	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	4,4'-DDD	n/a	<	0.15	µg/L	EPA 608	0.15	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	4,4'-DDE	n/a	<	0.12	µg/L	EPA 608	0.12	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	4,4'-DDT	n/a	<	0.16	µg/L	EPA 608	0.16	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Aldrin	n/a	<	0.075	µg/L	EPA 608	0.075	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	alpha-BHC	n/a	<	0.09	µg/L	EPA 608	0.09	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	alpha-Chlordane	n/a	<	0.2	µg/L	EPA 608	0.2	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	beta-BHC	n/a	<	0.16	µg/L	EPA 608	0.16	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Chlordane (technical)	n/a	<	4	µg/L	EPA 608	4	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Chlorpyrifos	n/a	=	0.053	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	delta-BHC	n/a	<	0.12	µg/L	EPA 608	0.12	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Diazinon	n/a	=	0.1	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Dichlorvos	n/a	DNQ	0.0041	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Dieldrin	n/a	<	0.1	µg/L	EPA 608	0.1	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endosulfan I	n/a	<	0.085	µg/L	EPA 608	0.085	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endosulfan II	n/a	<	0.095	µg/L	EPA 608	0.095	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endosulfan sulfate	n/a	<	0.4	µg/L	EPA 608	0.4	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endrin	n/a	<	0.14	µg/L	EPA 608	0.14	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endrin aldehyde	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Fensulfotiothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	gamma-BHC (Lindane)	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	gamma-Chlordane	n/a	<	0.22	µg/L	EPA 608	0.22	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/1/2016 12:36:00 PM	Glyphosate	n/a	=	69	µg/L	EPA 547	9	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Heptachlor	n/a	<	0.085	µg/L	EPA 608	0.085	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Heptachlor epoxide	n/a	<	0.095	µg/L	EPA 608	0.095	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Malathion	n/a	=	0.038	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Methoxychlor	n/a	<	0.27	µg/L	EPA 608	0.27	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Pentachlorophenol	n/a	=	0.31	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Toxaphene	n/a	<	6	µg/L	EPA 608	6	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/12/2016 9:31:00 PM	Perchlorate	n/a	=	3.6	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	32	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Calcium	Total	=	18.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Magnesium	Total	=	5.09	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Sodium	Total	=	13	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	36	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/27/2016 6:25:00 AM	BOD	n/a	=	21	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	170	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	2	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 C	0.13	3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Hardness as CaCO3	Total	=	66.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.35	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 9:42:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	190	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	28	mg/L	SM 5310 C	0.09	3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	190	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	69	NTU	EPA 180.1	0.24	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	59	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 5:10:00 AM	Diesel Range Organics	n/a	=	2.1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 5:10:00 AM	Oil Range Organics	n/a	=	2.6	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Aluminum	Dissolved	=	40	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Aluminum	Total	=	3800	µg/L	EPA 200.8	6.5	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Antimony	Total	=	2.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Barium	Total	=	63	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Cadmium	Total	DNQ	0.35	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Chromium	Dissolved	=	0.95	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Chromium	Total	=	8.4	µg/L	EPA 200.8	0.18	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.62	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Copper	Total	=	58	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 11:54:00 AM	Iron	Dissolved	=	110	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Iron	Total	=	6200	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Lead	Dissolved	=	1.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 2:54:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 2:55:00 PM	Mercury	Total	DNQ	47	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Nickel	Dissolved	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.22	4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Selenium	Dissolved	=	0.48	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Selenium	Total	=	0.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Silver	Total	DNQ	0.084	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Thallium	Total	DNQ	0.053	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Zinc	Dissolved	=	87	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Zinc	Total	=	310	µg/L	EPA 200.8	4.7	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.69	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/22/2016 10:17:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:32:00 PM	Phosphorus as P	Dissolved	=	0.34	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 2:37:00 PM	Phosphorus as P	Total	=	0.88	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
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Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Ben-zidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	

Appendix G
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Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/6/2016 1:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	9.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Chlorpyrifos	n/a	=	0.016	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Diazinon	n/a	=	0.023	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Dichlorvos	n/a	DNQ	0.0087	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/28/2016 9:34:00 PM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Malathion	n/a	=	0.099	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 9:45:00 AM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/24/2016 8:07:00 AM	Fecal Coliform	n/a	>	2300	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 9:45:00 PM	Total Coliform	n/a	=	686700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Conductivity	n/a	=	145.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0008	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	DO	n/a	=	95.1	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	DO	n/a	=	9.55	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	pH	n/a	=	7.79	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Specific Conductance	n/a	=	178.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Temperature	n/a	=	15.2	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	12/1/2016 1:14:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/24/2016 9:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/24/2016 9:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/17/2016 8:26:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	137400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Conductivity	n/a	=	186.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	DO	n/a	=	55.4	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	DO	n/a	=	5.51	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	pH	n/a	=	7.64	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Specific Conductance	n/a	=	226.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/21/2016 2:34:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/20/2016 7:48:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/20/2016 7:48:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 10:08:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	16	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Calcium	Total	=	9.45	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Magnesium	Total	=	2.18	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Sodium	Total	=	7.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	27	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	70	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.1	mg/L	SM 5310 C	2	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.8	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Hardness as CaCO3	Total	=	32.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.29	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 11:45:00 AM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	58	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	90	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	48	NTU	EPA 180.1	0.24	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	34	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/5/2017 5:08:00 PM	Diesel Range Organics	n/a	=	0.62	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/5/2017 5:08:00 PM	Oil Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/3/2017 2:36:00 PM	Aluminum	Dissolved	=	36	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/3/2017 2:57:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	13	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Antimony	Dissolved	=	0.89	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Arsenic	Dissolved	=	0.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Beryllium	Total	DNQ	0.058	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Cadmium	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Chromium	Dissolved	=	0.86	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Chromium	Total	=	3.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.65	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Copper	Dissolved	=	8.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:52:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Iron	Total	=	1700	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:37:00 PM	Lead	Dissolved	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:39:00 PM	Lead	Total	=	4.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 2:35:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 2:37:00 PM	Mercury	Total	DNQ	29	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Nickel	Total	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 3:38:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 3:55:00 PM	Selenium	Total	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:37:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:39:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Zinc	Dissolved	=	47	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/20/2016 1:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.69	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 4:58:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:13:00 PM	Phosphorus as P	Total	=	0.36	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 11:30:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRDP
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Chlorpyrifos	n/a	=	0.015	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Diazinon	n/a	=	0.014	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Dichlorvos	n/a	DNQ	0.0056	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	EST-LCSRPD
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 4:27:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Malathion	n/a	=	0.029	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Pentachlorophenol	n/a	DNQ	0.12	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Toxothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	2187	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/22/2017 8:50:00 AM	Fecal Coliform	n/a	=	8000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	37840	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Conductivity	n/a	=	36.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	2/2/2017	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	DO	n/a	=	10.16	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	DO	n/a	=	93.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Specific Conductance	n/a	=	49.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/21/2017 1:45:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	DNQ	2.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 8:38:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 8:38:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	7.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.069	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 2:21:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	37	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Calcium	Total	=	11.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Magnesium	Total	=	4.04	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Potassium	Total	=	2.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Sodium	Total	=	14	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	19	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	5	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.1	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Hardness as CaCO3	Total	=	44.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	=	0.057	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 9:03:00 AM	Phenolics	n/a	DNQ	0.0062	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/25/2017 8:30:00 PM	Total Dissolved Solids	n/a	=	97	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	110	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	45	NTU	EPA 180.1	0.048	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	38	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 4:11:00 PM	Diesel Range Organics	n/a	=	0.42	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 4:11:00 PM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Aluminum	Total	=	2000	µg/L	EPA 200.8	1.3	5	WKL	LB-MSR
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Antimony	Dissolved	=	0.7	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Arsenic	Dissolved	=	0.73	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Barium	Total	=	35	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Cadmium	Dissolved	DNQ	0.058	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Cadmium	Total	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Chromium	Dissolved	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Chromium	Total	=	4.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.26	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Copper	Dissolved	=	4.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:54:00 PM	Iron	Dissolved	=	35	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Iron	Total	=	2900	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Lead	Dissolved	=	0.22	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Lead	Total	=	6.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/26/2017 3:37:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/26/2017 3:39:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Nickel	Total	=	4.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Selenium	Dissolved	=	0.44	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Selenium	Total	=	0.54	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Silver	Total	DNQ	0.071	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Thallium	Total	DNQ	0.081	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Zinc	Dissolved	=	36	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Zinc	Total	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.12	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 11:40:00 AM	Nitrate + Nitrite as N	n/a	=	0.64	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/1/2017 6:46:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/1/2017 5:44:00 PM	Phosphorus as P	Total	=	0.28	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 8:48:00 PM	Glyphosate	n/a	=	51	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Malathion	n/a	=	0.025	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Pentachlorophenol	n/a	DNQ	0.09	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	580	mg/L	EPA 300.0	10	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	DNQ	2.5	mg/L	EPA 300.0	2	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/12/2017 11:46:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	5500	mg/L	EPA 300.0	10	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	5493	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 7:00:00 AM	Fecal Coliform	n/a	>	1600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	143900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Calcium	Total	=	479	mg/L	EPA 200.7	0.08	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Magnesium	Total	=	377	mg/L	EPA 200.7	0.06	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Potassium	Total	=	32	mg/L	EPA 200.7	0.4	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Sodium	Total	=	1700	mg/L	EPA 200.7	0.075	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 4:37:00 PM	Alkalinity as CaCO3	n/a	=	190	mg/L	SM 2320 B	0.56	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 5:55:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 6:58:00 PM	COD	n/a	=	190	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Conductivity	n/a	=	8040	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 2:09:00 PM	Dissolved Inorganic Carbon	Dissolved	=	49	mg/L	SM 5310 C	5	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 3:39:00 PM	Dissolved Organic Carbon	Dissolved	=	53	mg/L	SM 5310 C	0.13	3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	DO	n/a	=	13.36	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	DO	n/a	=	171.1	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Hardness as CaCO3	Total	=	2750	mg/L	EPA 200.7	0.447	3.31	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 6:56:00 PM	MBAS	n/a	=	0.39	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	pH	n/a	=	8.8	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/12/2017 11:28:00 AM	Phenolics	n/a	=	0.037	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Salinity	n/a	=	4300	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 3:00:00 PM	Specific Conductance	n/a	=	10000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM		n/a	=	7790	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Specific Conductance	n/a	=	26.8	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 6:38:00 PM	Temperature	n/a	=	26.8	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 6:38:00 PM	Total Dissolved Solids	n/a	=	9400	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 11:04:00 AM	Total Organic Carbon	n/a	=	59	mg/L	SM 5310 C	0.36	12	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 4:45:00 PM	Total Suspended Solids	n/a	=	30	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 4:14:00 PM	Turbidity	n/a	=	7.8	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 4:45:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 8:41:00 PM	Diesel Range Organics	n/a	=	0.89	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 6:02:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	DNQ	2.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 8:41:00 PM	Oil Range Organics	n/a	=	0.72	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Aluminum	Dissolved	DNQ	2.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Aluminum	Total	=	110	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Antimony	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Arsenic	Dissolved	=	12	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Arsenic	Total	=	12	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Barium	Total	=	57	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 4:17:00 PM	Beryllium	Dissolved	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 5:03:00 PM	Beryllium	Total	<	0.099	µg/L	EPA 200.8	0.099	0.3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Chromium	Dissolved	=	0.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Chromium	Total	=	0.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 3:00:00 PM	Chromium VI	n/a	=	0.13	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Copper	Dissolved	=	89	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Copper	Total	=	95	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/14/2017 11:14:00 AM	Iron	Dissolved	=	100	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Iron	Total	=	400	µg/L	EPA 200.7	5.5	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Lead	Dissolved	=	0.86	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Lead	Total	=	1.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 3:56:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 3:58:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Nickel	Total	=	7.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 4:09:00 PM	Selenium	Dissolved	=	40	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 5:07:00 PM	Selenium	Total	=	40	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Thallium	Dissolved	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Zinc	Total	=	19	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 9:56:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 10:30:00 PM	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 1:00:00 PM	Phosphorus as P	Dissolved	=	0.072	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 12:44:00 PM	Phosphorus as P	Total	=	0.16	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	5.3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	LB-LCSR
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 10:07:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benididine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.64	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Diethyl phthalate	n/a	DNQ	0.26	µg/L	EPA 625	0.15	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 10:07:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Phenol	n/a	DNQ	0.22	µg/L	EPA 625	0.16	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dalapon	n/a	DNQ	0.15	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	DCPA (Dacthal)	n/a	=	0.49	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Diazinon	n/a	DNQ	0.0068	µg/L	EPA 525.2m	0.0052	0.01	WKL	UL-MB
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 8:18:00 AM	Glyphosate	n/a	=	5	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Pentachlorophenol	n/a	DNQ	0.99	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:29:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	

Appendix H. RWQCB Permission of Toxicity Species Substitution



California Regional Water Quality Control Board Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

October 28, 2009

Ms. Norma Camacho, Director
Ventura County Watershed Protection District
800 South Victoria Ave., L#1600
Ventura, CA 93009-1600

Certified Mail
Return Receipt Requested
Claim No. 7009 0820 0001 6811 7509

**SUBJECT: TOXICITY TEST SPECIES SUBSTITUTION, VENTURA COUNTY
MUNICIPAL SEPARATE STORM SEWER SYSTEM DISCHARGE (MS4)
PERMIT (BOARD ORDER No. 09-0057; NPDES No. CAS004002)**

Dear Ms. Camacho:

On October 14, 2009, the Regional Board staff received a request from the Ventura County Watershed Protection District (County) to substitute topsmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, due to the unavailability of topsmelt from the supplier. After consultation with US EPA staff, Regional Board staff denied the request. On October 15, 2009, the Regional Board received an e-mail from the County, titled "Notification of toxicity exception - (species unavailable) Ventura County MS4 NPDES Permit Order No. 09-0057 (Monitoring Program)". The County's e-mail communication was submitted pursuant to requirements in subparts D.5 and D.8(b) of the Ventura County MS4 Permit's Monitoring Program (Monitoring Program), which requires an explanation of the circumstance with documentation when toxicity tests cannot be performed to comply with the requirements of this permit, and written authorization from the Regional Board Executive Officer to substitute test species.

In order to evaluate the appropriateness of substituting topsmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, in toxicity testing at mass emissions stations in the future, the Regional Board requires the County to conduct comparative static renewal toxicity tests on both species as follows. During the next storm event of this permit year (2009-10) and the first storm event of next permit year (2010-11), the County shall conduct toxicity tests on both topsmelt, *Atherinops affinis*, and the inland silverside, *Menidia beryllina*, along with giant kelp, *Macrocystis pyrifera*, and the purple sea urchin, *Strongylocentrotus purpuratus*, pursuant to subpart D.8(a) of the Monitoring Program. The County shall submit the results of the comparative toxicity tests as part of its reporting requirements.

RECEIVED

NOV 5 2009

California Environmental Protection Agency

Ms. Norma Camacho, Director
Ventura County Watershed Protection District

- 2 of 2 -

October 28, 2009

In the event that topsmelt, *Atherinops affinis*, is unavailable for testing during future sampling events conducted under the Monitoring Program, the County shall follow the protocol set forth in subpart D.5 of the Monitoring Program. The County shall notify the Regional Board by phone and e-mail as soon as possible if a test species is unavailable. Notification shall be sent directly to me as well as Tracy Woods, Stormwater Permitting Unit, with a copy to Renee Purdy, Chief, Regional Programs Section. The County shall submit to the Regional Board documentation of species unavailability from both the County's contract lab and the contract lab's supplier at least 48 hours prior to the planned sampling event to provide adequate time for my staff to evaluate any request for species substitution. Any approval or denial of a request for species substitution must be authorized pursuant to subpart D.8(b) of the Monitoring Program.

If you have any questions, please contact me at (213) 576-6605, or Renee Purdy at (213) 576-6783.

Sincerely,



Tracy J. Egoscue,
Executive Officer

cc: Mr. Bruce Fujimoto, Division of Water Quality, State Water Resources Control Board
Mr. Gerhardt Hubner, Ventura County Watershed Protection District
Mr. Arne Anselm, Ventura County Watershed Protection District

Appendix I. Aquatic Toxicity Testing Lab Results

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Estuarine Organisms, EPA/821/R-02-014*. Results were as follows:

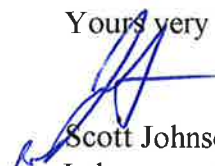
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	ME-VR2
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.344

CHRONIC TOPSMELT SURVIVAL AND GROWTH BIOASSAY

Survival	NOEC =	100.00
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Biomass	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 10:07 (p 1 of 2)
Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Batch ID:	09-9580-3918	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 13:58	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	04 Nov-16 12:00	Species:	Atherinops affinis	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	18-0695-0563	Code:	VCF1016.344	Client:	VCWPD
Sample Date:	28 Oct-16 07:20	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 09:47	Source:	Bioassay Report		
Sample Age:	7h	Station:	ME-VR2		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
06-5968-5653	7d Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	8.2%	
00-7729-3231	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	100	> 100	n/a	1	14.9%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
10-9246-6424	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1	✓
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
19-8021-9560	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	>100	n/a	n/a	<1	✓
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
06-5968-5653	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
10-9246-6424	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
00-7729-3231	Mean Dry Biomass-mg	Control Resp	2.023	0.85	>>	Yes	Passes Acceptability Criteria
19-8021-9560	Mean Dry Biomass-mg	Control Resp	2.023	0.85	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
12.5		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
25		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
50		5	0.9600	0.8489	1.0000	0.8000	1.0000	0.0400	0.0894	9.32%	4.00%
100		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	2.023	1.815	2.23	1.792	2.26	0.07478	0.1672	8.27%	0.00%
6.25		5	1.966	1.925	2.007	1.932	2.02	0.01464	0.03274	1.67%	2.81%
12.5		5	2.215	1.97	2.46	2.034	2.494	0.08826	0.1973	8.91%	-9.49%
25		5	2.371	2.103	2.638	2.056	2.594	0.09629	0.2153	9.08%	-17.20%
50		5	2.32	2.049	2.591	2.07	2.546	0.09762	0.2183	9.41%	-14.69%
100		5	2.491	2.135	2.847	2.022	2.796	0.1282	0.2867	11.51%	-23.14%

CETIS Summary Report

Report Date: 02 Dec-16 10:07 (p 2 of 2)

Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	0.8000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	2.012	1.792	1.992	2.26	2.058
6.25		1.932	1.962	2.02	1.964	1.952
12.5		2.338	2.494	2.034	2.156	2.052
25		2.594	2.31	2.55	2.056	2.344
50		2.296	2.546	2.538	2.15	2.07
100		2.796	2.56	2.596	2.48	2.022

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	5/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	4/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 02 Dec-16 10:05 (p 1 of 4)
Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	06-5968-5653	Endpoint:	7d Survival Rate	CETIS Version:	CETISv1.9.2
Analyzed:	02 Dec-16 10:04	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes
Batch ID:	09-9580-3918	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 13:58	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	04 Nov-16 12:00	Species:	Atherinops affinis	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	18-0695-0563	Code:	VCF1016.344	Client:	VCWPD
Sample Date:	28 Oct-16 07:20	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 09:47	Source:	Bioassay Report		
Sample Age:	7h	Station:	ME-VR2		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	8.20%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect
		12.5	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect
		25	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect
		50	25	16	1	8	Asymp	0.6353	Non-Significant Effect
		100	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0094513	0.0018903	5	1	0.4389	Non-Significant Effect
Error	0.0453663	0.0018903	24			
Total	0.0548176		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	7.111	3.895	3.3E-04	Unequal Variances
Variances	Mod Levene Equality of Variance Test	1	4.248	0.4457	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	7.95	3.878	<1.0E-37	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	4.912	2.576	9.0E-07	Non-Normal Distribution
Distribution	D'Agostino Skewness Test	5.58	2.576	<1.0E-37	Non-Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	55.27	9.21	<1.0E-37	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.4667	0.1853	6.1E-19	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.4063	0.9031	6.2E-10	Non-Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
6.25		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
12.5		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
25		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
50		5	0.9600	0.8489	1.0000	1.0000	0.8000	1.0000	0.0400	9.32%	4.00%
100		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%

CETIS Analytical Report

Report Date: 02 Dec-16 10:05 (p 2 of 4)

Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-5968-5653

Endpoint: 7d Survival Rate

CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 10:04

Analysis: Nonparametric-Control vs Treatments

Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
6.25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
12.5		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
50		5	1.298	1.165	1.43	1.345	1.107	1.345	0.04763	8.21%	3.54%
100		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	0.8000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

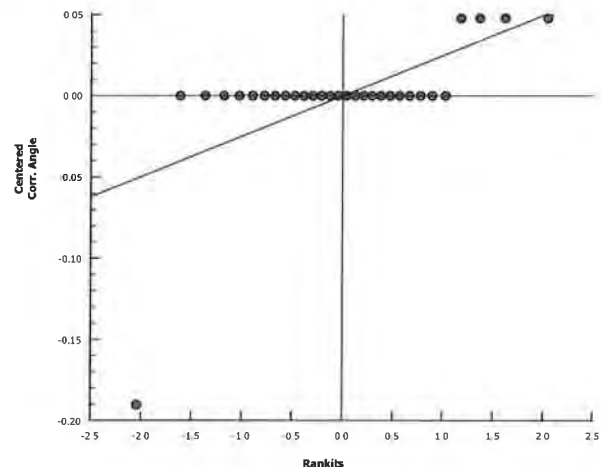
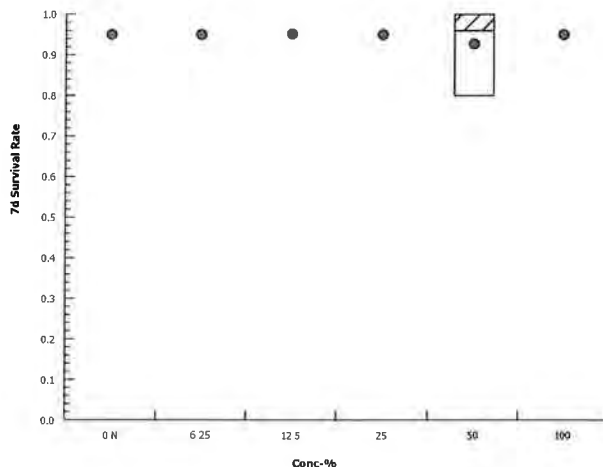
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.345	1.345	1.345	1.345	1.345
6.25		1.345	1.345	1.345	1.345	1.345
12.5		1.345	1.345	1.345	1.345	1.345
25		1.345	1.345	1.345	1.345	1.345
50		1.345	1.345	1.345	1.107	1.345
100		1.345	1.345	1.345	1.345	1.345

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	5/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	4/5	5/5
100		5/5	5/5	5/5	5/5	5/5

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 10:05 (p 3 of 4)

Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 00-7729-3231	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 10:03	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 09-9580-3918	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 13:58	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 04 Nov-16 12:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0695-0563	Code: VCF1016.344	Client: VCWPD
Sample Date: 28 Oct-16 07:20	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 7h	Station: ME-VR2	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	14.90%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	0.4452	2.362	0.301	8	CDF	0.6706	Non-Significant Effect
		12.5	-1.505	2.362	0.301	8	CDF	0.9963	Non-Significant Effect
		25	-2.727	2.362	0.301	8	CDF	0.9999	Non-Significant Effect
		50	-2.329	2.362	0.301	8	CDF	0.9998	Non-Significant Effect
		100	-3.668	2.362	0.301	8	CDF	1.0000	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	2.023	0.85	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.04398	0.208796	5	5.13	0.0024	Significant Effect
Error	0.976819	0.0407008	24			
Total	2.0208		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	11.18	15.09	0.0480	Equal Variances
Variances	Levene Equality of Variance Test	1.52	3.895	0.2209	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.449	4.248	0.2548	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.4769	3.878	0.2418	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.4603	2.576	0.6453	Normal Distribution
Distribution	D'Agostino Skewness Test	1.046	2.576	0.2954	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.307	9.21	0.5203	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1369	0.1853	0.1576	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9629	0.9031	0.3657	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	2.023	1.815	2.23	2.012	1.792	2.26	0.07478	8.27%	0.00%
6.25		5	1.966	1.925	2.007	1.962	1.932	2.02	0.01464	1.67%	2.81%
12.5		5	2.215	1.97	2.46	2.156	2.034	2.494	0.08826	8.91%	-9.49%
25		5	2.371	2.103	2.638	2.344	2.056	2.594	0.09629	9.08%	-17.20%
50		5	2.32	2.049	2.591	2.296	2.07	2.546	0.09762	9.41%	-14.69%
100		5	2.491	2.135	2.847	2.56	2.022	2.796	0.1282	11.51%	-23.14%

Report Date: 02 Dec-16 10:05 (p 4 of 4)
Test Code: VCF1016 344t | 03-3725-6130

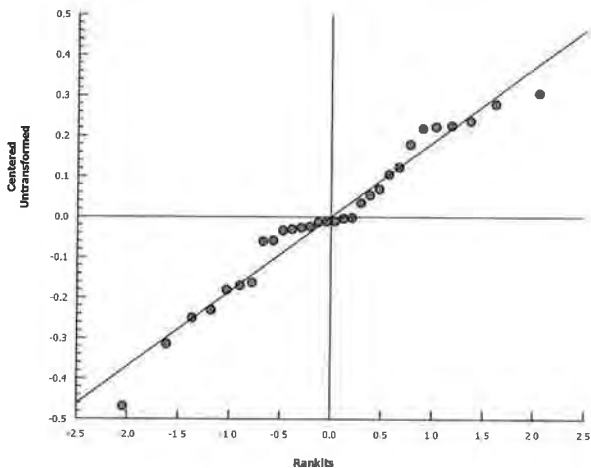
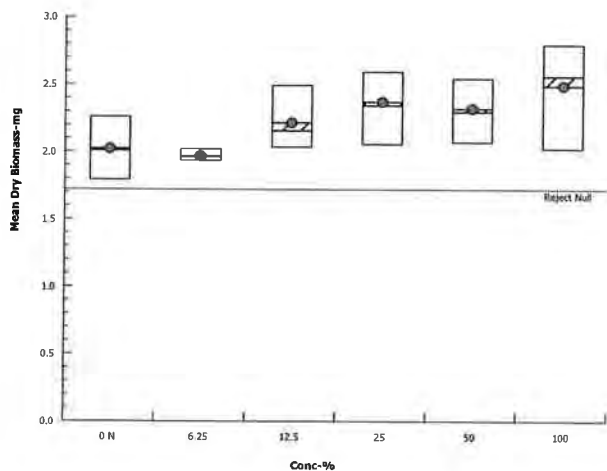
Aquatic Bioassay & Consulting Labs, Inc.

CETIS Version: CETISv1.9.2
Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	2.012	1.792	1.992	2.26	2.058
6.25		1.932	1.962	2.02	1.964	1.952
12.5		2.338	2.494	2.034	2.156	2.052
25		2.594	2.31	2.55	2.056	2.344
50		2.296	2.546	2.538	2.15	2.07
100		2.796	2.56	2.596	2.48	2.022

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 10:06 (p 1 of 4)
Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-9246-6424	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 10:04	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 09-9580-3918	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 13:58	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 04 Nov-16 12:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0695-0563	Code: VCF1016.344	Client: VCWPD
Sample Date: 28 Oct-16 07:20	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 7h	Station: ME-VR2	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
6.25		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
12.5		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
25		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
50		5	0.9600	0.8000	1.0000	0.0400	0.0894	9.32%	4.0%	24	25
100		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	0.8000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

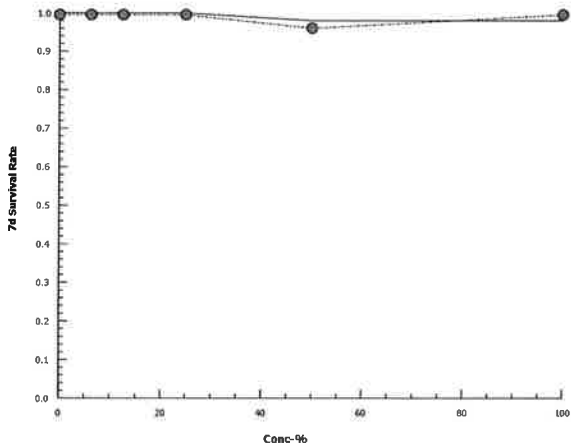
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	5/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	4/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 02 Dec-16 10:06 (p 2 of 4)
Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	10-9246-6424	Endpoint:	7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed:	02 Dec-16 10:04	Analysis:	Linear Interpolation (ICPIN)	Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 10:06 (p 3 of 4)

Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	19-8021-9560	Endpoint:	Mean Dry Biomass-mg	CETIS Version:	CETISv1.9.2
Analyzed:	02 Dec-16 10:04	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes
Batch ID:	09-9580-3918	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 13:58	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	04 Nov-16 12:00	Species:	Atherinops affinis	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	18-0695-0563	Code:	VCF1016.344	Client:	VCWPD
Sample Date:	28 Oct-16 07:20	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 09:47	Source:	Bioassay Report		
Sample Age:	7h	Station:	ME-VR2		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1686824	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	2.023	0.85	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	n/a	n/a	<1	n/a	n/a
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

			Calculated Variate						
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	2.023	1.792	2.26	0.07478	0.1672	8.27%	0.0%
6.25		5	1.966	1.932	2.02	0.01464	0.03274	1.67%	2.81%
12.5		5	2.215	2.034	2.494	0.08826	0.1973	8.91%	-9.49%
25		5	2.371	2.056	2.594	0.09629	0.2153	9.08%	-17.2%
50		5	2.32	2.07	2.546	0.09762	0.2183	9.41%	-14.69%
100		5	2.491	2.022	2.796	0.1282	0.2867	11.51%	-23.14%

Mean Dry Biomass-mg Detail

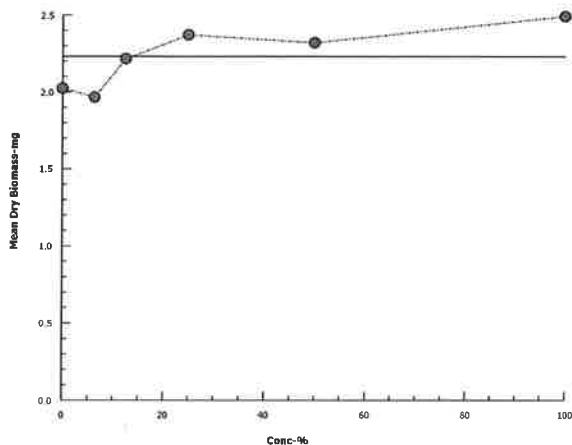
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	2.012	1.792	1.992	2.26	2.058
6.25		1.932	1.962	2.02	1.964	1.952
12.5		2.338	2.494	2.034	2.156	2.052
25		2.594	2.31	2.55	2.056	2.344
50		2.296	2.546	2.538	2.15	2.07
100		2.796	2.56	2.596	2.48	2.022

CETIS Analytical Report

Report Date: 02 Dec-16 10:06 (p 4 of 4)
Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test		Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 19-8021-9560	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2	
Analyzed: 02 Dec-16 10:04	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes	

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 10:06 (p 1 of 2)
Test Code: VCF1016.344t | 03-3725-6130

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 09-9580-3918
Start Date: 28 Oct-16 13:58
Ending Date: 04 Nov-16 12:00
Duration: 6d 22h
Test Type: Growth-Survival (7d)
Protocol: EPA/600/R-95/136 (1995)
Species: Atherinops affinis
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Seawater
Brine: Not Applicable
Age:

Sample ID: 18-0695-0563
Sample Date: 28 Oct-16 07:20
Receipt Date: 28 Oct-16 09:47
Sample Age: 7h
Code: VCF1016.344
Material: Sample Water
Source: Bioassay Report
Station: ME-VR2

Client: VCWPD
Project: 2016/17-1 (Wet)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.1	6.797	7.403	6.7	7.6	0.1282	0.3625	5.11%	0
6.25		8	6.888	6.774	7.001	6.7	7.1	0.04795	0.1356	1.97%	0
12.5		8	6.875	6.535	7.215	6.3	7.6	0.1436	0.4062	5.91%	0
25		8	6.775	6.479	7.071	6.3	7.3	0.125	0.3536	5.22%	0
50		8	6.7	6.295	7.105	6.3	7.6	0.1711	0.484	7.22%	0
100		8	6.275	5.582	6.968	5.2	7.2	0.2932	0.8294	13.22%	0
Overall		48	6.769	6.618	6.919	5.2	7.6	0.07474	0.5178	7.65%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.3	7.191	7.409	7	7.4	0.04629	0.1309	1.79%	0
6.25		8	7.625	7.501	7.749	7.4	7.8	0.05261	0.1488	1.95%	0
12.5		8	7.625	7.493	7.757	7.4	7.8	0.0559	0.1581	2.07%	0
25		8	7.7	7.566	7.834	7.5	7.9	0.05669	0.1604	2.08%	0
50		8	7.738	7.604	7.871	7.5	7.9	0.0565	0.1598	2.07%	0
100		8	7.763	7.637	7.888	7.5	7.9	0.05324	0.1506	1.94%	0
Overall		48	7.625	7.563	7.687	7	7.9	0.03058	0.2119	2.78%	0 (0%)

Salinity-ppt

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	25	25	25	25	25	0	0	0.0%	0
6.25		8	25	25	25	25	25	0	0	0.0%	0
12.5		8	25	25	25	25	25	0	0	0.0%	0
25		8	25	25	25	25	25	0	0	0.0%	0
50		8	25	25	25	25	25	0	0	0.0%	0
100		8	25	25	25	25	25	0	0	0.0%	0
Overall		48	25	25	25	25	25	0	0	0.00%	0 (0%)

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	21	21	21	21	21	0	0	0.0%	0
6.25		8	21	21	21	21	21	0	0	0.0%	0
12.5		8	21	21	21	21	21	0	0	0.0%	0
25		8	21	21	21	21	21	0	0	0.0%	0
50		8	21	21	21	21	21	0	0	0.0%	0
100		8	21	21	21	21	21	0	0	0.0%	0
Overall		48	21	21	21	21	21	0	0	0.00%	0 (0%)

CETIS Measurement ReportReport Date: 02 Dec-16 10:06 (p 2 of 2)
Test Code: VCF1016.344t | 03-3725-6130**Pacific Topsmelt 7-d Survival and Growth Test****Aquatic Bioassay & Consulting Labs, Inc.****Dissolved Oxygen-mg/L**

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	6.7	6.8	7.2	7.6	7.1	6.7	7.1	7.6
6.25		7	6.8	6.9	7.1	6.8	6.8	6.7	7
12.5		7	6.9	6.5	7.6	6.8	6.7	7.2	6.3
25		7.1	6.8	6.4	7.3	6.8	6.5	7	6.3
50		7.2	6.8	6.3	7.6	6.7	6.3	6.4	6.3
100		7.1	6.4	5.8	7.2	7.2	5.2	5.3	6

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.3	7.3	7.4	7.4	7	7.3	7.3	7.4
6.25		7.7	7.8	7.7	7.4	7.5	7.6	7.5	7.8
12.5		7.8	7.8	7.7	7.4	7.7	7.6	7.4	7.6
25		7.8	7.9	7.7	7.5	7.7	7.6	7.5	7.9
50		7.8	7.9	7.8	7.9	7.5	7.8	7.7	7.5
100		7.9	7.9	7.8	7.5	7.9	7.8	7.7	7.6

Salinity-ppt

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	25	25	25	25	25	25	25	25
6.25		25	25	25	25	25	25	25	25
12.5		25	25	25	25	25	25	25	25
25		25	25	25	25	25	25	25	25
50		25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	21	21	21	21	21	21	21	21
6.25		21	21	21	21	21	21	21	21
12.5		21	21	21	21	21	21	21	21
25		21	21	21	21	21	21	21	21
50		21	21	21	21	21	21	21	21
100		21	21	21	21	21	21	21	21

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:


We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Estuarine Organisms*, EPA/821/R-02-014. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	ME-CC
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.352

CHRONIC TOPSMELT SURVIVAL AND GROWTH BIOASSAY

Survival	NOEC =	100.00
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %
Biomass	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 11:16 (p 1 of 2)

Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-9003-1853	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:14	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 04 Nov-16 13:15	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0481-5018	Code: VCF1016.352	Client: VCWPD
Sample Date: 28 Oct-16 09:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 5h	Station: ME-CC	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
19-4489-1575	7d Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	8.2%	
19-5200-9131	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	100	> 100	n/a	1	16.5%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
05-3617-7006	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1	
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
03-1527-6458	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	37.58	24.53	n/a	2.661	✓
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
05-3617-7006	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
19-4489-1575	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
03-1527-6458	Mean Dry Biomass-mg	Control Resp	2.104	0.85	>>	Yes	Passes Acceptability Criteria
19-5200-9131	Mean Dry Biomass-mg	Control Resp	2.104	0.85	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
12.5		5	0.9600	0.8489	1.0000	0.8000	1.0000	0.0400	0.0894	9.32%	4.00%
25		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
50		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
100		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	2.104	1.894	2.313	1.808	2.224	0.0754	0.1686	8.02%	0.00%
6.25		5	2.294	1.941	2.646	1.946	2.608	0.1269	0.2837	12.37%	-9.03%
12.5		5	2.173	1.995	2.351	1.978	2.322	0.06404	0.1432	6.59%	-3.29%
25		5	2.39	2.018	2.763	2.15	2.896	0.1343	0.3002	12.56%	-13.63%
50		5	1.98	1.743	2.217	1.698	2.172	0.08522	0.1906	9.62%	5.88%
100		5	2.055	1.735	2.376	1.63	2.282	0.1154	0.2582	12.56%	2.30%

CETIS Summary Report

Report Date: 02 Dec-16 11:16 (p 2 of 2)

Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	0.8000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.808	2.152	2.194	2.224	2.14
6.25		1.946	2.608	2.562	2.14	2.212
12.5		2.322	2.236	2.258	1.978	2.07
25		2.426	2.896	2.222	2.15	2.258
50		2.08	1.878	2.172	2.072	1.698
100		2.282	2.098	2.032	2.234	1.63

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	5/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5	4/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 02 Dec-16 11:14 (p 1 of 4)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-4489-1575	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 11:13	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 11-9003-1853	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:14	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 04 Nov-16 13:15	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0481-5018	Code: VCF1016.352	Client: VCWPD
Sample Date: 28 Oct-16 09:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 5h	Station: ME-CC	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	8.20%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect
		12.5	25	16	1	8	Asymp	0.6353	Non-Significant Effect
		25	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect
		50	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect
		100	27.5	16	1	8	Asymp	0.8333	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0094513	0.0018903	5	1	0.4389	Non-Significant Effect
Error	0.0453663	0.0018903	24			
Total	0.0548176		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	7.111	3.895	3.3E-04	Unequal Variances
Variances	Mod Levene Equality of Variance Test	1	4.248	0.4457	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	7.95	3.878	<1.0E-37	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	4.912	2.576	9.0E-07	Non-Normal Distribution
Distribution	D'Agostino Skewness Test	5.58	2.576	<1.0E-37	Non-Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	55.27	9.21	<1.0E-37	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.4667	0.1853	6.1E-19	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.4063	0.9031	6.2E-10	Non-Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
6.25		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
12.5		5	0.9600	0.8489	1.0000	1.0000	0.8000	1.0000	0.0400	9.32%	4.00%
25		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
50		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
100		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%

CETIS Analytical Report

Report Date: 02 Dec-16 11:14 (p 2 of 4)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-4489-1575 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 11:13 Analysis: Nonparametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
6.25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
12.5		5	1.298	1.165	1.43	1.345	1.107	1.345	0.04763	8.21%	3.54%
25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
50		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%
100		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	0.00%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	0.8000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

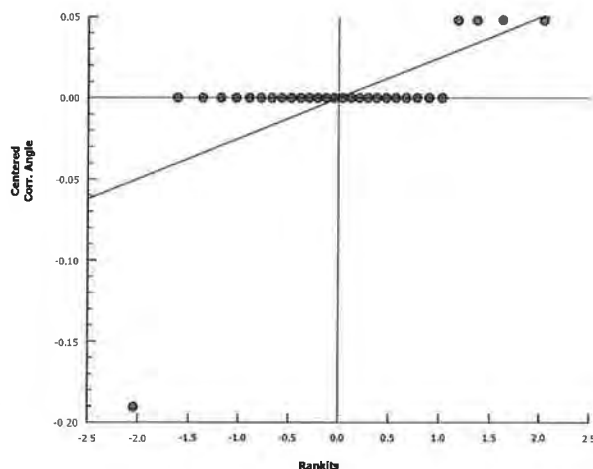
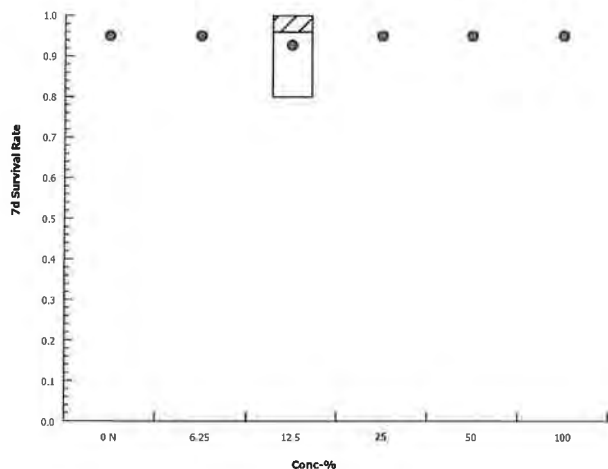
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.345	1.345	1.345	1.345	1.345
6.25		1.345	1.345	1.345	1.345	1.345
12.5		1.345	1.345	1.345	1.345	1.107
25		1.345	1.345	1.345	1.345	1.345
50		1.345	1.345	1.345	1.345	1.345
100		1.345	1.345	1.345	1.345	1.345

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	5/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5	4/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 11:14 (p 3 of 4)

Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-5200-9131	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 11:13	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 11-9003-1853	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:14	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 04 Nov-16 13:15	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0481-5018	Code: VCF1016.352	Client: VCWPD
Sample Date: 28 Oct-16 09:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 5h	Station: ME-CC	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	16.46%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-1.296	2.362	0.346	8	CDF	0.9929	Non-Significant Effect
		12.5	-0.4719	2.362	0.346	8	CDF	0.9361	Non-Significant Effect
		25	-1.956	2.362	0.346	8	CDF	0.9992	Non-Significant Effect
		50	0.8429	2.362	0.346	8	CDF	0.4912	Non-Significant Effect
		100	0.3301	2.362	0.346	8	CDF	0.7181	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	2.104	0.85	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.587249	0.11745	5	2.185	0.0895	Non-Significant Effect
Error	1.29012	0.0537548	24			
Total	1.87736		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	3.125	15.09	0.6807	Equal Variances
Variances	Levene Equality of Variance Test	0.7754	3.895	0.5770	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.4776	4.248	0.7883	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.2563	3.878	0.7502	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.1932	2.576	0.8468	Normal Distribution
Distribution	D'Agostino Skewness Test	0.1079	2.576	0.9141	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	0.04895	9.21	0.9758	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1337	0.1853	0.1821	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9856	0.9031	0.9463	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	2.104	1.894	2.313	2.152	1.808	2.224	0.0754	8.02%	0.00%
6.25		5	2.294	1.941	2.646	2.212	1.946	2.608	0.1269	12.37%	-9.03%
12.5		5	2.173	1.995	2.351	2.236	1.978	2.322	0.06404	6.59%	-3.29%
25		5	2.39	2.018	2.763	2.258	2.15	2.896	0.1343	12.56%	-13.63%
50		5	1.98	1.743	2.217	2.072	1.698	2.172	0.08522	9.62%	5.88%
100		5	2.055	1.735	2.376	2.098	1.63	2.282	0.1154	12.56%	2.30%

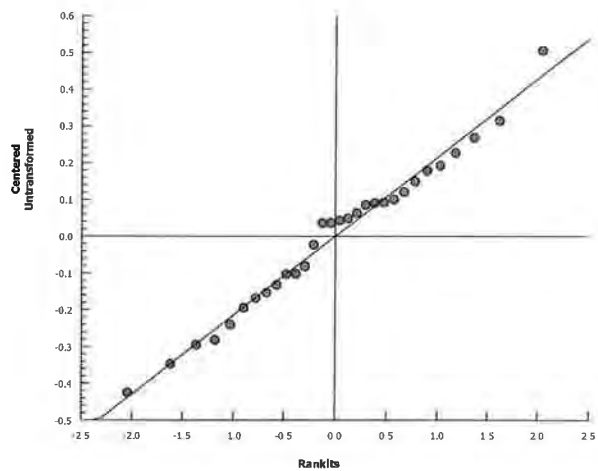
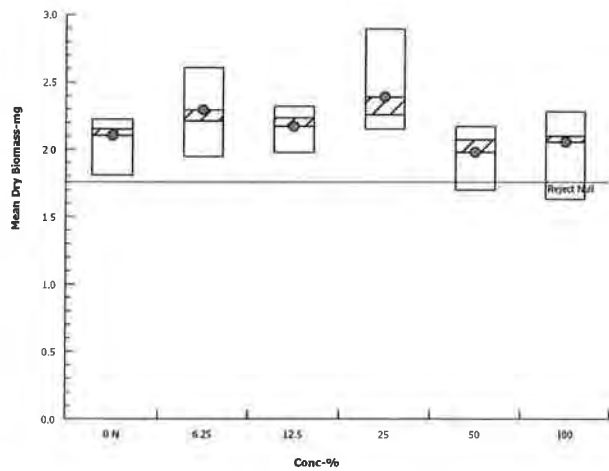
CETIS Analytical Report

Report Date: 02 Dec-16 11:14 (p 4 of 4)
 Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID:	19-5200-9131	Endpoint:	Mean Dry Biomass-mg	CETIS Version:	CETISv1.9.2
Analyzed:	02 Dec-16 11:13	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Mean Dry Biomass-mg Detail						
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.808	2.152	2.194	2.224	2.14
6.25		1.946	2.608	2.562	2.14	2.212
12.5		2.322	2.236	2.258	1.978	2.07
25		2.426	2.896	2.222	2.15	2.258
50		2.08	1.878	2.172	2.072	1.698
100		2.282	2.098	2.032	2.234	1.63

Graphics



Report Date: 02 Dec-16 11:15 (p 1 of 4)
Test Code: VCF1016.352t | 07-0211-7974

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-3617-7006	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 11:13	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 11-9003-1853	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:14	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 04 Nov-16 13:15	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0481-5018	Code: VCF1016.352	Client: VCWPD
Sample Date: 28 Oct-16 09:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 5h	Station: ME-CC	

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
6.25		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
12.5		5	0.9600	0.8000	1.0000	0.0400	0.0894	9.32%	4.0%	24	25
25		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
50		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25
100		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	25	25

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	0.8000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

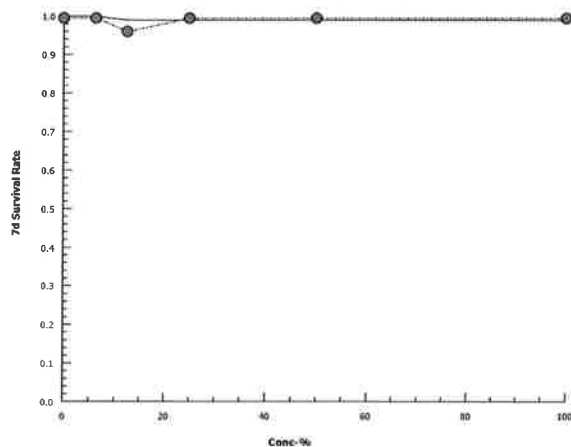
Conc.-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	5/5	5/5	5/5	5/5	5/5
3.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	5/5	5/5	5/5	4/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 02 Dec-16 11:15 (p 2 of 4)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test		Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 05-3617-7006	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2	
Analyzed: 02 Dec-16 11:13	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes	

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 11:15 (p 3 of 4)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	03-1527-6458	Endpoint:	Mean Dry Biomass-mg	CETIS Version:	CETISv1.9.2
Analyzed:	02 Dec-16 11:13	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes
Batch ID:	11-9003-1853	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 14:14	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	04 Nov-16 13:15	Species:	Atherinops affinis	Brine:	Not Applicable
Duration:	6d 23h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	18-0481-5018	Code:	VCF1016.352	Client:	VCWPD
Sample Date:	28 Oct-16 09:00	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 10:05	Source:	Bioassay Report		
Sample Age:	5h	Station:	ME-CC		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	2.104	0.85	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	37.58	24.53	n/a	2.661	n/a	4.076
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

			Calculated Variate						
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	2.104	1.808	2.224	0.0754	0.1686	8.02%	0.0%
6.25		5	2.294	1.946	2.608	0.1269	0.2837	12.37%	-9.03%
12.5		5	2.173	1.978	2.322	0.06404	0.1432	6.59%	-3.29%
25		5	2.39	2.15	2.896	0.1343	0.3002	12.56%	-13.63%
50		5	1.98	1.698	2.172	0.08522	0.1906	9.62%	5.88%
100		5	2.055	1.63	2.282	0.1154	0.2582	12.56%	2.3%

Mean Dry Biomass-mg Detail

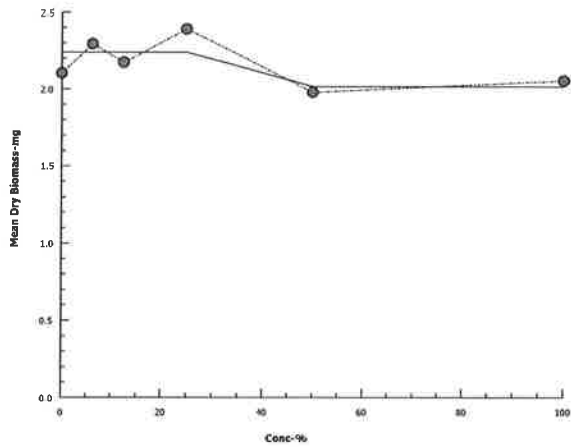
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.808	2.152	2.194	2.224	2.14
6.25		1.946	2.608	2.562	2.14	2.212
12.5		2.322	2.236	2.258	1.978	2.07
25		2.426	2.896	2.222	2.15	2.258
50		2.08	1.878	2.172	2.072	1.698
100		2.282	2.098	2.032	2.234	1.63

CETIS Analytical Report

Report Date: 02 Dec-16 11:15 (p 4 of 4)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	03-1527-6458	Endpoint:	Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed:	02 Dec-16 11:13	Analysis:	Linear Interpolation (ICPIN)	Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 11:15 (p 1 of 2)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-9003-1853
Start Date: 28 Oct-16 14:14
Ending Date: 04 Nov-16 13:15
Duration: 6d 23h
Test Type: Growth-Survival (7d)
Protocol: EPA/600/R-95/136 (1995)
Species: Atherinops affinis
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Seawater
Brine: Not Applicable
Age:

Sample ID: 18-0481-5018
Sample Date: 28 Oct-16 09:00
Receipt Date: 28 Oct-16 10:05
Sample Age: 5h
Code: VCF1016.352
Material: Sample Water
Source: Bioassay Report
Station: ME-CC

Client: VCWPD
Project: 2016/17-1 (Wet)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	6.975	6.615	7.335	6.2	7.6	0.1521	0.4301	6.17%	0
6.25		8	6.3	5.682	6.918	5.2	7.1	0.2612	0.7387	11.73%	0
12.5		8	6.525	5.857	7.193	5.4	7.8	0.2827	0.7996	12.25%	0
25		8	6.512	5.889	7.136	5.4	7.5	0.2635	0.7453	11.44%	0
50		8	6.5	6.008	6.992	5.7	7.3	0.2079	0.588	9.05%	0
100		8	6.213	5.566	6.859	5.4	7.3	0.2735	0.7736	12.45%	0
Overall		48	6.504	6.302	6.707	5.2	7.8	0.1007	0.6977	10.73%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.3	7.191	7.409	7	7.4	0.04629	0.1309	1.79%	0
6.25		8	7.75	7.602	7.898	7.5	8	0.06268	0.1773	2.29%	0
12.5		8	7.763	7.637	7.888	7.5	7.9	0.05324	0.1506	1.94%	0
25		8	7.763	7.637	7.888	7.5	7.9	0.05324	0.1506	1.94%	0
50		8	7.788	7.683	7.892	7.6	7.9	0.04407	0.1246	1.6%	0
100		8	7.813	7.691	7.934	7.6	8	0.05154	0.1458	1.87%	0
Overall		48	7.696	7.63	7.762	7	8	0.03288	0.2278	2.96%	0 (0%)

Salinity-ppt

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	25	25	25	25	25	0	0	0.0%	0
6.25		8	25	25	25	25	25	0	0	0.0%	0
12.5		8	25	25	25	25	25	0	0	0.0%	0
25		8	25	25	25	25	25	0	0	0.0%	0
50		8	25	25	25	25	25	0	0	0.0%	0
100		8	25	25	25	25	25	0	0	0.0%	0
Overall		48	25	25	25	25	25	0	0	0.00%	0 (0%)

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	21	21	21	21	21	0	0	0.0%	0
6.25		8	21	21	21	21	21	0	0	0.0%	0
12.5		8	21	21	21	21	21	0	0	0.0%	0
25		8	21	21	21	21	21	0	0	0.0%	0
50		8	21	21	21	21	21	0	0	0.0%	0
100		8	21	21	21	21	21	0	0	0.0%	0
Overall		48	21	21	21	21	21	0	0	0.00%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 11:15 (p 2 of 2)
Test Code: VCF1016.352t | 07-0211-7974

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	6.2	6.8	7.2	7.6	7.1	7.2	7.1	6.6
6.25		7.1	6.8	6.5	6.9	6.7	5.9	5.3	5.2
12.5		7	6.8	6.6	7.8	6.6	6.6	5.4	5.4
25		7	6.9	6.6	7.5	6.6	6.7	5.4	5.4
50		7.1	6.3	6.6	7.3	6.8	6.5	5.7	5.7
100		7.1	5.5	6.2	7.3	6.8	6	5.4	5.4

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.3	7.3	7.4	7.4	7	7.3	7.3	7.4
6.25		7.8	7.9	7.8	7.5	7.8	7.7	7.5	8
12.5		7.9	7.9	7.8	7.6	7.8	7.7	7.5	7.9
25		7.9	7.9	7.8	7.6	7.8	7.7	7.5	7.9
50		7.9	7.9	7.8	7.6	7.8	7.8	7.6	7.9
100		7.9	7.9	7.8	7.6	7.9	7.8	7.6	8

Salinity-ppt

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	25	25	25	25	25	25	25	25
6.25		25	25	25	25	25	25	25	25
12.5		25	25	25	25	25	25	25	25
25		25	25	25	25	25	25	25	25
50		25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	21	21	21	21	21	21	21	21
6.25		21	21	21	21	21	21	21	21
12.5		21	21	21	21	21	21	21	21
25		21	21	21	21	21	21	21	21
50		21	21	21	21	21	21	21	21
100		21	21	21	21	21	21	21	21

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

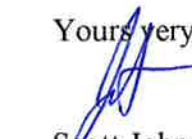
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-OJA
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.345

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 11:51 (p 1 of 2)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 16-1889-4412	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:30	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 19-4412-3607	Code: VCF1016.345	Client: VCWPD
Sample Date: 28 Oct-16 04:20	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 10h	Station: MO-OJA	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
18-8012-0424	7d Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	7.72%	
09-4359-6039	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	100	> 100	n/a	1	12.1%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
09-2414-2240	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1	
			EC10	>100	n/a	n/a	<1	
			EC15	>100	n/a	n/a	<1	
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
05-8228-9073	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	54.88	31.32	74.69	1.822	✓
			IC10	73.74	49.45	94.35	1.356	✓
			IC15	92.59	72.31	n/a	1.08	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
09-2414-2240	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
18-8012-0424	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
05-8228-9073	Mean Dry Biomass-mg	Control Resp	0.377	0.25	>>	Yes	Passes Acceptability Criteria
09-4359-6039	Mean Dry Biomass-mg	Control Resp	0.377	0.25	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		4	0.9500	0.8484	1.0000	0.8667	1.0000	0.0319	0.0638	6.72%	5.00%
12.5		4	0.9333	0.8467	1.0000	0.8667	1.0000	0.0272	0.0544	5.83%	6.67%
25		4	0.9833	0.9303	1.0000	0.9333	1.0000	0.0167	0.0333	3.39%	1.67%
50		4	0.9500	0.8484	1.0000	0.8667	1.0000	0.0319	0.0638	6.72%	5.00%
100		4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	3.33%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.377	0.3157	0.4383	0.334	0.4247	0.01926	0.03853	10.22%	0.00%
6.25		4	0.4392	0.396	0.4824	0.4067	0.4653	0.01357	0.02715	6.18%	-16.49%
12.5		4	0.4392	0.4006	0.4778	0.4127	0.468	0.01212	0.02425	5.52%	-16.49%
25		4	0.454	0.4057	0.5023	0.426	0.4873	0.01518	0.03035	6.69%	-20.42%
50		4	0.4115	0.3826	0.4404	0.3913	0.4347	0.00909	0.01818	4.42%	-9.15%
100		4	0.3548	0.3282	0.3815	0.34	0.3787	0.008364	0.01673	4.71%	5.88%

CETIS Summary Report

Report Date: 02 Dec-16 11:51 (p 2 of 2)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
6.25		0.8667	0.9333	1.0000	1.0000
12.5		1.0000	0.8667	0.9333	0.9333
25		1.0000	1.0000	0.9333	1.0000
50		0.9333	0.8667	1.0000	1.0000
100		0.9333	1.0000	1.0000	0.9333

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.334	0.362	0.4247	0.3873
6.25		0.4067	0.4653	0.4273	0.4573
12.5		0.468	0.4273	0.4127	0.4487
25		0.426	0.472	0.4873	0.4307
50		0.4147	0.3913	0.4347	0.4053
100		0.3527	0.34	0.3787	0.348

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
6.25		13/15	14/15	15/15	15/15
12.5		15/15	13/15	14/15	14/15
25		15/15	15/15	14/15	15/15
50		14/15	13/15	15/15	15/15
100		14/15	15/15	15/15	14/15

CETIS Analytical Report

Report Date: 02 Dec-16 11:48 (p 1 of 4)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 18-8012-0424	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2					
Analyzed: 02 Dec-16 11:45	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 16-1889-4412	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 28 Oct-16 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 04 Nov-16 12:30	Species: Pimephales promelas	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 19-4412-3607	Code: VCF1016.345	Client: VCWPD					
Sample Date: 28 Oct-16 04:20	Material: Sample Water	Project: 2016/17-1 (Wet)					
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report						
Sample Age: 10h	Station: MO-OJA						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	7.72%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	1.488	2.407	0.152	6	CDF	0.2318	Non-Significant Effect
		12.5	2.009	2.407	0.152	6	CDF	0.1026	Non-Significant Effect
		25	0.5212	2.407	0.152	6	CDF	0.6383	Non-Significant Effect
		50	1.488	2.407	0.152	6	CDF	0.2318	Non-Significant Effect
		100	1.042	2.407	0.152	6	CDF	0.4033	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0427164	0.0085433	5	1.07	0.4091	Non-Significant Effect
Error	0.143677	0.0079821	18			
Total	0.186393		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	2.934	4.248	0.0415	Equal Variances
Variances	Mod Levene Equality of Variance Test	2.033	4.248	0.1222	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.4534	3.878	0.2753	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.6178	2.576	0.5367	Normal Distribution
Distribution	D'Agostino Skewness Test	0.8542	2.576	0.3930	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.111	9.21	0.5737	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1426	0.2056	0.2317	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9497	0.884	0.2675	Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
6.25		4	0.9500	0.8484	1.0000	0.9667	0.8667	1.0000	0.0319	6.72%	5.00%
12.5		4	0.9333	0.8467	1.0000	0.9333	0.8667	1.0000	0.0272	5.83%	6.67%
25		4	0.9833	0.9303	1.0000	1.0000	0.9333	1.0000	0.0167	3.39%	1.67%
50		4	0.9500	0.8484	1.0000	0.9667	0.8667	1.0000	0.0319	6.72%	5.00%
100		4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	3.33%

CETIS Analytical Report

Report Date: 02 Dec-16 11:48 (p 2 of 4)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-8012-0424 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 11:45 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.441	1.441	1.442	1.441	1.441	1.441	0	0.00%	0.00%
6.25		4	1.347	1.16	1.535	1.375	1.197	1.441	0.05894	8.75%	6.52%
12.5		4	1.314	1.155	1.473	1.31	1.197	1.441	0.04995	7.60%	8.81%
25		4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	2.28%
50		4	1.347	1.16	1.535	1.375	1.197	1.441	0.05894	8.75%	6.52%
100		4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	4.57%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
6.25		0.8667	0.9333	1.0000	1.0000
12.5		1.0000	0.8667	0.9333	0.9333
25		1.0000	1.0000	0.9333	1.0000
50		0.9333	0.8667	1.0000	1.0000
100		0.9333	1.0000	1.0000	0.9333

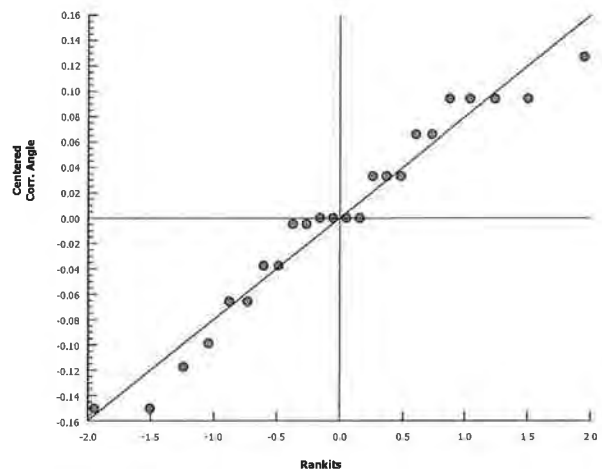
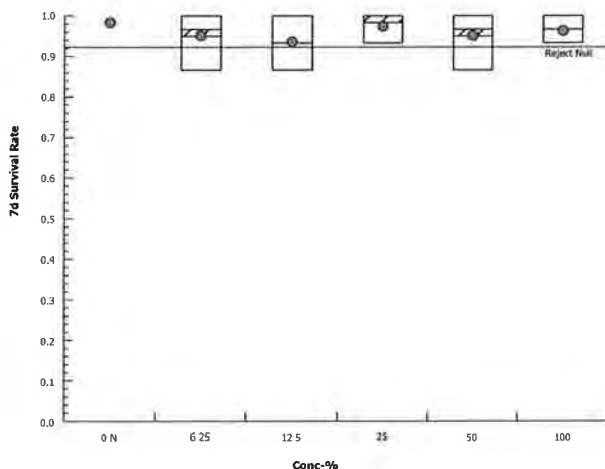
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.441	1.441	1.441	1.441
6.25		1.197	1.31	1.441	1.441
12.5		1.441	1.197	1.31	1.31
25		1.441	1.441	1.31	1.441
50		1.31	1.197	1.441	1.441
100		1.31	1.441	1.441	1.31

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
6.25		13/15	14/15	15/15	15/15
12.5		15/15	13/15	14/15	14/15
25		15/15	15/15	14/15	15/15
50		14/15	13/15	15/15	15/15
100		14/15	15/15	15/15	14/15

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 11:49 (p 3 of 4)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 09-4359-6039	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2					
Analyzed: 02 Dec-16 11:45	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 16-1889-4412	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 28 Oct-16 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 04 Nov-16 12:30	Species: Pimephales promelas	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 19-4412-3607	Code: VCF1016.345	Client: VCWPD					
Sample Date: 28 Oct-16 04:20	Material: Sample Water	Project: 2016/17-1 (Wet)					
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report						
Sample Age: 10h	Station: MO-OJA						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	12.14%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-3.269	2.407	0.046	6	CDF	1.0000	Non-Significant Effect
		12.5	-3.269	2.407	0.046	6	CDF	1.0000	Non-Significant Effect
		25	-4.049	2.407	0.046	6	CDF	1.0000	Non-Significant Effect
		50	-1.814	2.407	0.046	6	CDF	0.9984	Non-Significant Effect
		100	1.165	2.407	0.046	6	CDF	0.3512	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.377	0.25	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0309244	0.0061849	5	8.549	2.7E-04	Significant Effect
Error	0.0130222	0.0007235	18			
Total	0.0439466		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.555	15.09	0.7682	Equal Variances
Variances	Levene Equality of Variance Test	1.426	4.248	0.2626	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.374	4.248	0.2801	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.3123	3.878	0.5763	Normal Distribution
Distribution	D'Agostino Kurtosis Test	1.109	2.576	0.2676	Normal Distribution
Distribution	D'Agostino Skewness Test	0.3259	2.576	0.7445	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.335	9.21	0.5129	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1087	0.2056	0.6800	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9743	0.884	0.7729	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.377	0.3157	0.4383	0.3747	0.334	0.4247	0.01926	10.22%	0.00%
6.25		4	0.4392	0.396	0.4824	0.4423	0.4067	0.4653	0.01357	6.18%	-16.49%
12.5		4	0.4392	0.4006	0.4778	0.438	0.4127	0.468	0.01212	5.52%	-16.49%
25		4	0.454	0.4057	0.5023	0.4513	0.426	0.4873	0.01518	6.69%	-20.42%
50		4	0.4115	0.3826	0.4404	0.41	0.3913	0.4347	0.00909	4.42%	-9.15%
100		4	0.3548	0.3282	0.3815	0.3503	0.34	0.3787	0.008364	4.71%	5.88%

CETIS Analytical Report

Report Date: 02 Dec-16 11:49 (p 4 of 4)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

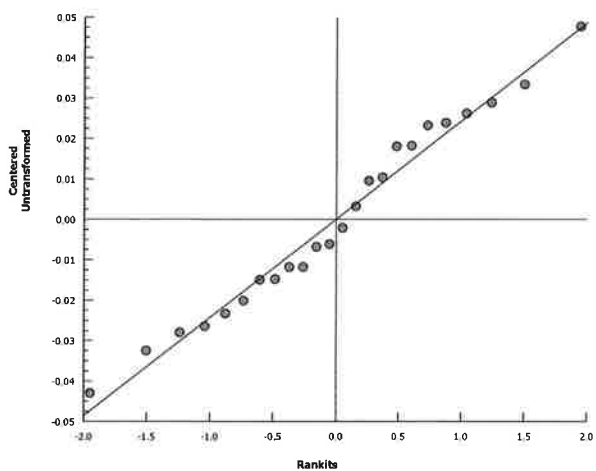
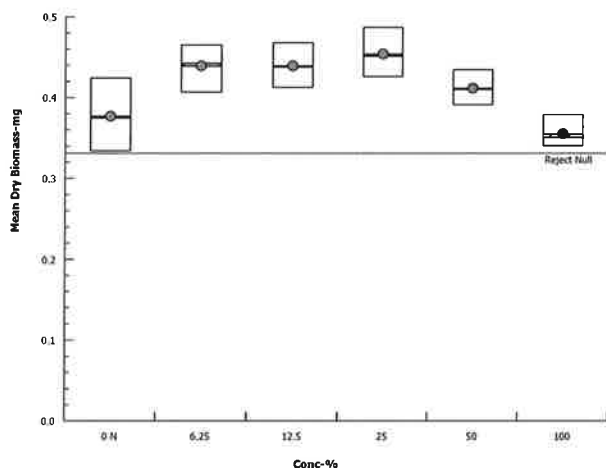
Analysis ID: 09-4359-6039 Endpoint: Mean Dry Biomass-mg
Analyzed: 02 Dec-16 11:45 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.334	0.362	0.4247	0.3873
6.25		0.4067	0.4653	0.4273	0.4573
12.5		0.468	0.4273	0.4127	0.4487
25		0.426	0.472	0.4873	0.4307
50		0.4147	0.3913	0.4347	0.4053
100		0.3527	0.34	0.3787	0.348

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 11:49 (p 1 of 4)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-2414-2240	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 11:45	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 16-1889-4412	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:30	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 19-4412-3607	Code: VCF1016.345	Client: VCWPD
Sample Date: 28 Oct-16 04:20	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 10h	Station: MO-OJA	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	60	60
6.25		4	0.9500	0.8667	1.0000	0.0319	0.0638	6.72%	5.0%	57	60
12.5		4	0.9333	0.8667	1.0000	0.0272	0.0544	5.83%	6.67%	56	60
25		4	0.9833	0.9333	1.0000	0.0167	0.0333	3.39%	1.67%	59	60
50		4	0.9500	0.8667	1.0000	0.0319	0.0638	6.72%	5.0%	57	60
100		4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	3.33%	58	60

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
6.25		0.8667	0.9333	1.0000	1.0000
12.5		1.0000	0.8667	0.9333	0.9333
25		1.0000	1.0000	0.9333	1.0000
50		0.9333	0.8667	1.0000	1.0000
100		0.9333	1.0000	1.0000	0.9333

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
6.25		13/15	14/15	15/15	15/15
12.5		15/15	13/15	14/15	14/15
25		15/15	15/15	14/15	15/15
50		14/15	13/15	15/15	15/15
100		14/15	15/15	15/15	14/15

CETIS Analytical Report

Report Date: 02 Dec-16 11:49 (p 2 of 4)
Test Code: VCF1016.345f | 00-9771-0895

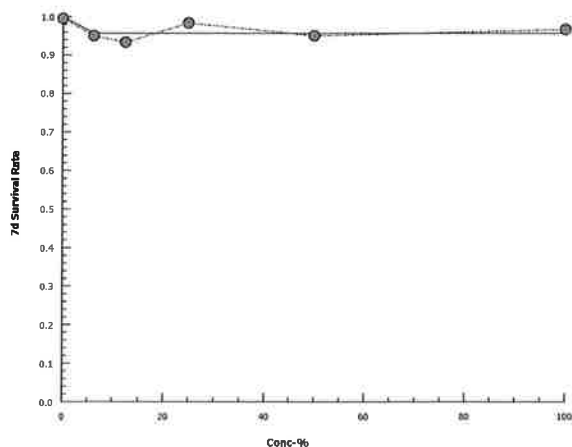
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-2414-2240 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 11:45 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 11:49 (p 3 of 4)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-8228-9073	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 11:45	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 16-1889-4412	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:30	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 19-4412-3607	Code: VCF1016.345	Client: VCWPD
Sample Date: 28 Oct-16 04:20	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 10h	Station: MO-OJA	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits		Overlap	Decision
		Lower	Upper		
Control Resp	0.377	0.25	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	54.88	31.32	74.69	1.822	1.339	3.193
IC10	73.74	49.45	94.35	1.356	1.06	2.022
IC15	92.59	72.31	n/a	1.08	n/a	1.383
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

				Calculated Variate					
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.377	0.334	0.4247	0.01926	0.03853	10.22%	0.0%
6.25		4	0.4392	0.4067	0.4653	0.01357	0.02715	6.18%	-16.49%
12.5		4	0.4392	0.4127	0.468	0.01212	0.02425	5.52%	-16.49%
25		4	0.454	0.426	0.4873	0.01518	0.03035	6.69%	-20.42%
50		4	0.4115	0.3913	0.4347	0.00909	0.01818	4.42%	-9.15%
100		4	0.3548	0.34	0.3787	0.008364	0.01673	4.71%	5.88%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.334	0.362	0.4247	0.3873
6.25		0.4067	0.4653	0.4273	0.4573
12.5		0.468	0.4273	0.4127	0.4487
25		0.426	0.472	0.4873	0.4307
50		0.4147	0.3913	0.4347	0.4053
100		0.3527	0.34	0.3787	0.348

CETIS Analytical Report

Report Date: 02 Dec-16 11:49 (p 4 of 4)
Test Code: VCF1016.345f | 00-9771-0895

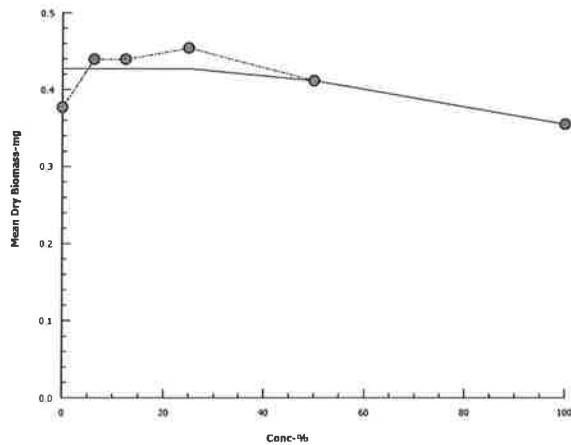
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-8228-9073 Endpoint: Mean Dry Biomass-mg
Analyzed: 02 Dec-16 11:45 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 11:49 (p 1 of 2)
Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 16-1889-4412
Start Date: 28 Oct-16 14:30
Ending Date: 04 Nov-16 12:30
Duration: 6d 22h
Test Type: Growth-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Pimephales promelas
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 19-4412-3607
Sample Date: 28 Oct-16 04:20
Receipt Date: 28 Oct-16 09:47
Sample Age: 10h
Code: VCF1016.345
Material: Sample Water
Source: Bioassay Report
Station: MO-OJA

Client: VCWPD
Project: 2016/17-1 (Wet)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		8	103	103	103	103	103	0	0	0.0%	0
Overall		16	82.62	71.39	93.86	61	103	5.27	21.08	25.51%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	322	310.1	333.9	312	347	5.043	14.26	4.43%	0
12.5		8	314.9	308.7	321	308	326	2.594	7.338	2.33%	0
25		8	305.6	299.7	311.5	300	318	2.485	7.029	2.3%	0
50		8	281.5	270.8	292.2	253	297	4.543	12.85	4.57%	0
100		8	250.6	246	255.2	242	258	1.945	5.502	2.2%	0
Overall		48	300.6	292.3	309	242	348	4.167	28.87	9.60%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	6.962	6.581	7.344	6.3	7.6	0.1614	0.4565	6.56%	0
12.5		8	7.425	7.221	7.629	7.1	7.8	0.08609	0.2435	3.28%	0
25		8	6.75	6.116	7.384	5.3	7.5	0.2679	0.7578	11.23%	0
50		8	5.812	4.91	6.715	4.6	7.5	0.3815	1.079	18.56%	0
100		8	6.588	5.292	7.883	4.9	9.8	0.5479	1.55	23.52%	0
Overall		48	6.879	6.582	7.177	4.6	9.8	0.1479	1.025	14.90%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		8	105	105	105	105	105	0	0	0.0%	0
Overall		16	97.38	92.78	102	86	105	2.158	8.632	8.87%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.825	7.685	7.965	7.5	8	0.05901	0.1669	2.13%	0
6.25		8	7.762	7.622	7.903	7.6	8.1	0.05957	0.1685	2.17%	0
12.5		8	7.7	7.574	7.826	7.5	8	0.05345	0.1512	1.96%	0
25		8	7.587	7.45	7.725	7.4	7.9	0.05806	0.1642	2.16%	0
50		8	7.413	7.268	7.557	7.2	7.7	0.06105	0.1727	2.33%	0
100		8	7.175	6.987	7.363	6.9	7.6	0.07962	0.2252	3.14%	0
Overall		48	7.577	7.496	7.659	6.9	8.1	0.04052	0.2808	3.71%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 11:49 (p 2 of 2)

Test Code: VCF1016.345f | 00-9771-0895

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24	24	24	24	24	0	0	0.0%	0
6.25		8	24	24	24	24	24	0	0	0.0%	0
12.5		8	24	24	24	24	24	0	0	0.0%	0
25		8	24	24	24	24	24	0	0	0.0%	0
50		8	24	24	24	24	24	0	0	0.0%	0
100		8	24	24	24	24	24	0	0	0.0%	0
Overall		48	24	24	24	24	24	0	0	0.00%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		103	103	103	103	103	103	103	103

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		321	312	313	312	313	316	342	347
12.5		321	316	308	309	308	309	322	326
25		311	303	300	300	300	301	312	318
50		283	280	283	281	284	291	297	253
100		247	242	249	248	253	250	258	258

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.6	6.5	6.3	7.1	7.1	7.5	6.9	6.7
12.5		7.6	7.1	7.5	7.6	7.2	7.8	7.4	7.2
25		7.5	5.3	6.8	7.4	6.8	7.5	6.5	6.2
50		7.5	4.8	5.7	7.2	6	5.8	4.9	4.6
100		7.4	9.8	6.1	4.9	6.7	5.6	6.9	5.3

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		105	105	105	105	105	105	105	105

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.7	7.8	7.5	8
6.25		7.6	7.9	7.8	7.7	7.7	7.7	8.1	7.6
12.5		7.5	7.8	7.7	7.7	7.6	7.7	8	7.6
25		7.4	7.7	7.6	7.6	7.5	7.6	7.9	7.4
50		7.3	7.3	7.5	7.6	7.3	7.4	7.7	7.2
100		6.9	7.6	7	7.3	7.2	7.3	7.1	7

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24	24	24	24	24	24
6.25		24	24	24	24	24	24	24	24
12.5		24	24	24	24	24	24	24	24
25		24	24	24	24	24	24	24	24
50		24	24	24	24	24	24	24	24
100		24	24	24	24	24	24	24	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-MEI
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.346

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


v Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 13:32 (p 1 of 2)
Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 04-2638-6326	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:48	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:53	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-6561-3735	Code: VCF1016.346	Client: VCWPD
Sample Date: 28 Oct-16 05:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 9h	Station: MO-MEI	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
13-9578-2049	7d Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	10.9%	
05-7252-2639	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	100	> 100	n/a	1	19.8%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
01-3322-5108	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	98	n/a	n/a	1.02	
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
17-3306-9037	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	80.72	51.13	n/a	1.239	✓
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
01-3322-5108	7d Survival Rate	Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria
13-9578-2049	7d Survival Rate	Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria
05-7252-2639	Mean Dry Biomass-mg	Control Resp	0.3555	0.25	>>	Yes	Passes Acceptability Criteria
17-3306-9037	Mean Dry Biomass-mg	Control Resp	0.3555	0.25	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.9667	0.8606	1.0000	0.8667	1.0000	0.0333	0.0667	6.90%	0.00%
6.25		4	0.9333	0.7212	1.0000	0.7333	1.0000	0.0667	0.1333	14.29%	3.45%
12.5		4	0.9833	0.9303	1.0000	0.9333	1.0000	0.0167	0.0333	3.39%	-1.72%
25		4	0.9500	0.8970	1.0000	0.9333	1.0000	0.0167	0.0333	3.51%	1.72%
50		4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	0.00%
100		4	0.9167	0.8636	0.9697	0.8667	0.9333	0.0167	0.0333	3.64%	5.17%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3555	0.2874	0.4236	0.33	0.4193	0.0214	0.04281	12.04%	0.00%
6.25		4	0.435	0.3334	0.5366	0.354	0.5	0.03193	0.06385	14.68%	-22.36%
12.5		4	0.4557	0.3854	0.5259	0.4153	0.5093	0.02207	0.04414	9.69%	-28.18%
25		4	0.4367	0.4167	0.4567	0.4193	0.448	0.006283	0.01257	2.88%	-22.83%
50		4	0.4408	0.3897	0.4919	0.4133	0.4853	0.01606	0.03212	7.29%	-24.00%
100		4	0.3902	0.3341	0.4462	0.3407	0.4233	0.01761	0.03522	9.03%	-9.75%

CETIS Summary Report

Report Date: 02 Dec-16 13:32 (p 2 of 2)

Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	0.8667	1.0000
6.25		0.7333	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	0.9333
25		1.0000	0.9333	0.9333	0.9333
50		0.9333	1.0000	1.0000	0.9333
100		0.9333	0.9333	0.8667	0.9333

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.332	0.33	0.3407	0.4193
6.25		0.354	0.4687	0.5	0.4173
12.5		0.424	0.474	0.5093	0.4153
25		0.4193	0.4433	0.436	0.448
50		0.422	0.4427	0.4853	0.4133
100		0.3407	0.4233	0.4027	0.394

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	13/15	15/15
6.25		11/15	15/15	15/15	15/15
12.5		15/15	15/15	15/15	14/15
25		15/15	14/15	14/15	14/15
50		14/15	15/15	15/15	14/15
100		14/15	14/15	13/15	14/15

CETIS Analytical Report

Report Date: 02 Dec-16 13:30 (p 1 of 4)

Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	13-9578-2049	Endpoint:	7d Survival Rate	CETIS Version:	CETISv1.9.2
Analyzed:	02 Dec-16 13:29	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes
Batch ID:	04-2638-6326	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 14:48	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	04 Nov-16 12:53	Species:	Pimephales promelas	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	16-6561-3735	Code:	VCF1016.346	Client:	VCWPD
Sample Date:	28 Oct-16 05:55	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 09:47	Source:	Bioassay Report		
Sample Age:	9h	Station:	MO-MEI		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	10.87%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	17.5	10	1	6	Asymp	0.7867	Non-Significant Effect
		12.5	18.5	10	1	6	Asymp	0.8729	Non-Significant Effect
		25	15.5	10	1	6	Asymp	0.5438	Non-Significant Effect
		50	17	10	1	6	Asymp	0.7334	Non-Significant Effect
		100	13.5	10	1	6	Asymp	0.2853	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0390211	0.0078042	5	0.6224	0.6846	Non-Significant Effect
Error	0.225686	0.0125381	18			
Total	0.264707		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	7.63	15.09	0.1778	Equal Variances
Variances	Levene Equality of Variance Test	2.525	4.248	0.0670	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.2887	4.248	0.9131	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	1.231	3.878	0.0031	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	2.293	2.576	0.0219	Normal Distribution
Distribution	D'Agostino Skewness Test	2.997	2.576	0.0027	Non-Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	14.24	9.21	8.1E-04	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.2369	0.2056	0.0012	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.8493	0.884	0.0021	Non-Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.9667	0.8606	1.0000	1.0000	0.8667	1.0000	0.0333	6.90%	0.00%
6.25		4	0.9333	0.7212	1.0000	1.0000	0.7333	1.0000	0.0667	14.29%	3.45%
12.5		4	0.9833	0.9303	1.0000	1.0000	0.9333	1.0000	0.0167	3.39%	-1.72%
25		4	0.9500	0.8970	1.0000	0.9333	0.9333	1.0000	0.0167	3.51%	1.72%
50		4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	0.00%
100		4	0.9167	0.8636	0.9697	0.9333	0.8667	0.9333	0.0167	3.64%	5.17%

CETIS Analytical Report

Report Date: 02 Dec-16 13:30 (p 2 of 4)
Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 13-9578-2049 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 13:29 Analysis: Nonparametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.38	1.186	1.575	1.441	1.197	1.441	0.06108	8.85%	0.00%
6.25		4	1.338	1.009	1.667	1.441	1.028	1.441	0.1033	15.44%	3.06%
12.5		4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	-2.04%
25		4	1.343	1.238	1.447	1.31	1.31	1.441	0.03292	4.90%	2.73%
50		4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	0.35%
100		4	1.281	1.192	1.371	1.31	1.197	1.31	0.02816	4.39%	7.16%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	0.8667	1.0000
6.25		0.7333	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	0.9333
25		1.0000	0.9333	0.9333	0.9333
50		0.9333	1.0000	1.0000	0.9333
100		0.9333	0.9333	0.8667	0.9333

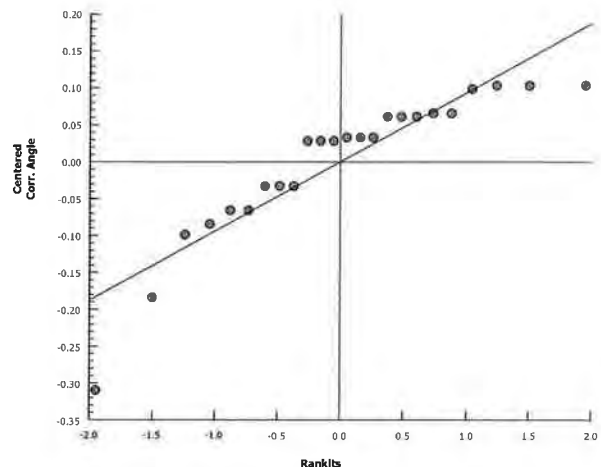
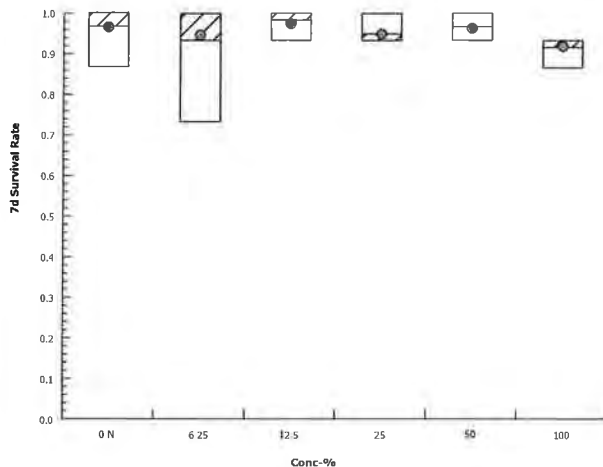
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.441	1.441	1.197	1.441
6.25		1.028	1.441	1.441	1.441
12.5		1.441	1.441	1.441	1.31
25		1.441	1.31	1.31	1.31
50		1.31	1.441	1.441	1.31
100		1.31	1.31	1.197	1.31

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	13/15	15/15
6.25		11/15	15/15	15/15	15/15
12.5		15/15	15/15	15/15	14/15
25		15/15	14/15	14/15	14/15
50		14/15	15/15	15/15	14/15
100		14/15	14/15	13/15	14/15

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 13:31 (p 3 of 4)
Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-7252-2639	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 13:29	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 04-2638-6326	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:48	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:53	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-6561-3735	Code: VCF1016.346	Client: VCWPD
Sample Date: 28 Oct-16 05:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 9h	Station: MO-MEI	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	19.83%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-2.715	2.407	0.070	6	CDF	0.9999	Non-Significant Effect
		12.5	-3.421	2.407	0.070	6	CDF	1.0000	Non-Significant Effect
		25	-2.772	2.407	0.070	6	CDF	0.9999	Non-Significant Effect
		50	-2.914	2.407	0.070	6	CDF	0.9999	Non-Significant Effect
		100	-1.184	2.407	0.070	6	CDF	0.9896	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.3555	0.25	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0290114	0.0058023	5	3.384	0.0249	Significant Effect
Error	0.0308641	0.0017147	18			
Total	0.0598755		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	5.727	15.09	0.3337	Equal Variances
Variances	Levene Equality of Variance Test	1.913	4.248	0.1421	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.18	4.248	0.3574	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.2768	3.878	0.6835	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.004255	2.576	0.9966	Normal Distribution
Distribution	D'Agostino Skewness Test	0.08876	2.576	0.9293	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	0.007897	9.21	0.9961	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1156	0.2056	0.5657	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9752	0.884	0.7935	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.3555	0.2874	0.4236	0.3363	0.33	0.4193	0.0214	12.04%	0.00%
6.25		4	0.435	0.3334	0.5366	0.443	0.354	0.5	0.03193	14.68%	-22.36%
12.5		4	0.4557	0.3854	0.5259	0.449	0.4153	0.5093	0.02207	9.69%	-28.18%
25		4	0.4367	0.4167	0.4567	0.4397	0.4193	0.448	0.006283	2.88%	-22.83%
50		4	0.4408	0.3897	0.4919	0.4323	0.4133	0.4853	0.01606	7.29%	-24.00%
100		4	0.3902	0.3341	0.4462	0.3983	0.3407	0.4233	0.01761	9.03%	-9.75%

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-7252-2639

Endpoint: Mean Dry Biomass-mg

CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 13:29

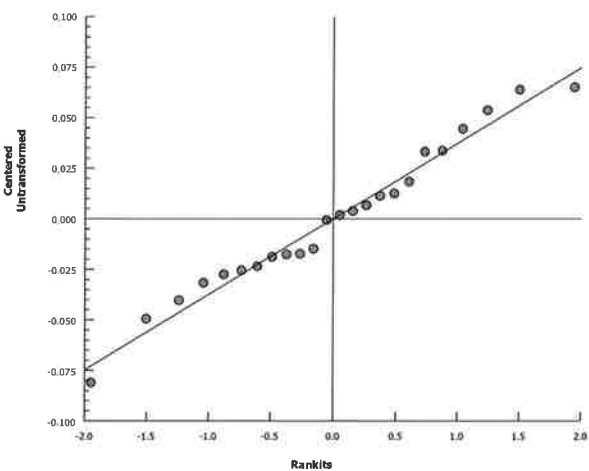
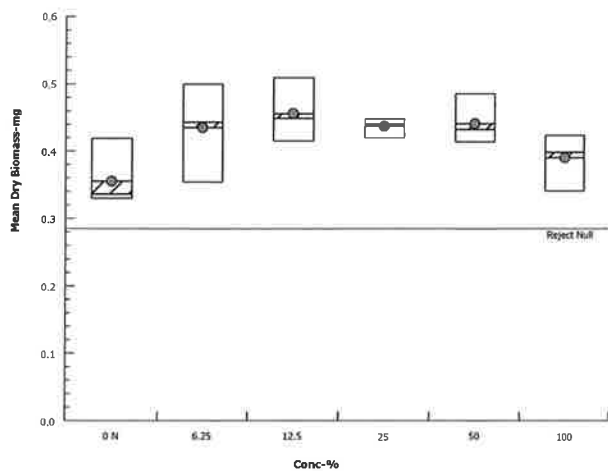
Analysis: Parametric-Control vs Treatments

Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.332	0.33	0.3407	0.4193
6.25		0.354	0.4687	0.5	0.4173
12.5		0.424	0.474	0.5093	0.4153
25		0.4193	0.4433	0.436	0.448
50		0.422	0.4427	0.4853	0.4133
100		0.3407	0.4233	0.4027	0.394

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 13:31 (p 1 of 4)
Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 01-3322-5108	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 13:29	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 04-2638-6326	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:48	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:53	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-6561-3735	Code: VCF1016.346	Client: VCWPD
Sample Date: 28 Oct-16 05:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 9h	Station: MO-MEI	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	98	n/a	n/a	1.02	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	0.9667	0.8667	1.0000	0.0333	0.0667	6.90%	0.0%	58	60
6.25		4	0.9333	0.7333	1.0000	0.0667	0.1333	14.29%	3.45%	56	60
12.5		4	0.9833	0.9333	1.0000	0.0167	0.0333	3.39%	-1.72%	59	60
25		4	0.9500	0.9333	1.0000	0.0167	0.0333	3.51%	1.72%	57	60
50		4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	0.0%	58	60
100		4	0.9167	0.8667	0.9333	0.0167	0.0333	3.64%	5.17%	55	60

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	0.8667	1.0000
6.25		0.7333	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	0.9333
25		1.0000	0.9333	0.9333	0.9333
50		0.9333	1.0000	1.0000	0.9333
100		0.9333	0.9333	0.8667	0.9333

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	13/15	15/15
6.25		11/15	15/15	15/15	15/15
12.5		15/15	15/15	15/15	14/15
25		15/15	14/15	14/15	14/15
50		14/15	15/15	15/15	14/15
100		14/15	14/15	13/15	14/15

CETIS Analytical Report

Report Date: 02 Dec-16 13:31 (p 2 of 4)

Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 01-3322-5108

Endpoint: 7d Survival Rate

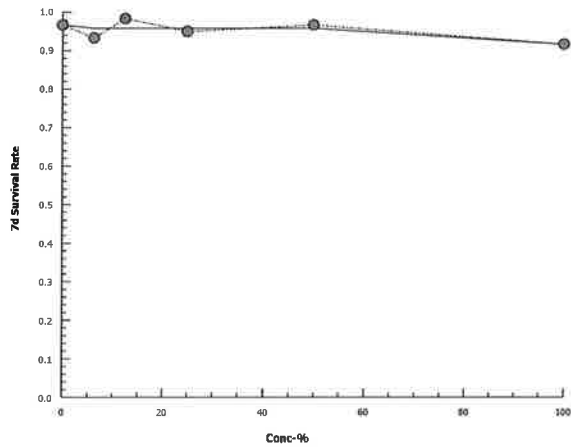
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 13:29

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 13:31 (p 3 of 4)

Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-3306-9037	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 13:29	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 04-2638-6326	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:48	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 12:53	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-6561-3735	Code: VCF1016.346	Client: VCWPD
Sample Date: 28 Oct-16 05:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 09:47	Source: Bioassay Report	
Sample Age: 9h	Station: MO-MEI	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.3555	0.25	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	80.72	51.13	n/a	1.239	n/a	1.956
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3555	0.33	0.4193	0.0214	0.04281	12.04%	0.0%
6.25		4	0.435	0.354	0.5	0.03193	0.06385	14.68%	-22.36%
12.5		4	0.4557	0.4153	0.5093	0.02207	0.04414	9.69%	-28.18%
25		4	0.4367	0.4193	0.448	0.006283	0.01257	2.88%	-22.83%
50		4	0.4408	0.4133	0.4853	0.01606	0.03212	7.29%	-24.0%
100		4	0.3902	0.3407	0.4233	0.01761	0.03522	9.03%	-9.75%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.332	0.33	0.3407	0.4193
6.25		0.354	0.4687	0.5	0.4173
12.5		0.424	0.474	0.5093	0.4153
25		0.4193	0.4433	0.436	0.448
50		0.422	0.4427	0.4853	0.4133
100		0.3407	0.4233	0.4027	0.394

CETIS Analytical Report

Report Date: 02 Dec-16 13:31 (p 4 of 4)
Test Code: VCF1016.346f | 08-4676-9043

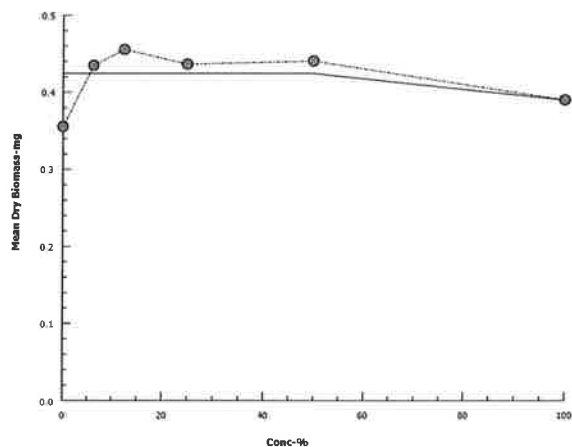
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-3306-9037 Endpoint: Mean Dry Biomass-mg
Analyzed: 02 Dec-16 13:29 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 13:31 (p 1 of 2)

Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 04-2638-6326
 Start Date: 28 Oct-16 14:48
 Ending Date: 04 Nov-16 12:53
 Duration: 6d 22h
 Test Type: Growth-Survival (7d)
 Protocol: EPA/821/R-02-013 (2002)
 Species: Pimephales promelas
 Source: Aquatic Biosystems, CO

Analyst: Joe Freas
 Diluent: Laboratory Water
 Brine: Not Applicable
 Age:

Sample ID: 16-6561-3735
 Sample Date: 28 Oct-16 05:55
 Receipt Date: 28 Oct-16 09:47
 Sample Age: 9h
 Code: VCF1016.346
 Material: Sample Water
 Source: Bioassay Report
 Station: MO-MEI

Client: VCWPD
 Project: 2016/17-1 (Wet)

Alkalinity (CaCO₃)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	73.5	59.49	87.51	61	95	5.925	16.76	22.8%	0
100		8	80	80	80	80	80	0	0	0.0%	0
Overall		16	76.75	70.39	83.11	61	95	2.983	11.93	15.54%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	314	307	321	304	328	2.964	8.384	2.67%	0
12.5		8	308.8	302.8	314.7	302	321	2.505	7.086	2.3%	0
25		8	291.2	286.2	296.3	286	301	2.153	6.089	2.09%	0
50		8	259.2	255.5	263	254	266	1.601	4.528	1.75%	0
100		8	192.5	189.6	195.4	186	198	1.239	3.505	1.82%	0
Overall		48	282.5	268.9	296.1	186	348	6.747	46.74	16.55%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	7.562	7.348	7.777	7.2	7.9	0.09051	0.256	3.39%	0
12.5		8	7.488	7.271	7.704	7.2	7.9	0.09149	0.2588	3.46%	0
25		8	7.425	7.1	7.75	6.7	7.9	0.1373	0.3882	5.23%	0
50		8	6.95	6.587	7.313	6.2	7.4	0.1535	0.4342	6.25%	0
100		8	6.9	5.884	7.916	4.3	8	0.4297	1.215	17.61%	0
Overall		48	7.344	7.161	7.526	4.3	8.1	0.09075	0.6287	8.56%	0 (0%)

Hardness (CaCO₃)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		8	90	90	90	90	90	0	0	0.0%	0
Overall		16	89.88	87.99	91.76	86	96	0.8845	3.538	3.94%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.8	7.633	7.967	7.5	8	0.07071	0.2	2.56%	0
6.25		8	7.387	7.185	7.59	7	7.7	0.08543	0.2416	3.27%	0
12.5		8	7.45	7.332	7.568	7.2	7.6	0.05	0.1414	1.9%	0
25		8	7.438	7.329	7.546	7.2	7.6	0.04605	0.1302	1.75%	0
50		8	7.363	7.237	7.488	7.1	7.5	0.05324	0.1506	2.05%	0
100		8	7.188	7.043	7.332	7	7.4	0.06105	0.1727	2.4%	0
Overall		48	7.438	7.365	7.51	7	8	0.03605	0.2498	3.36%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 13:31 (p 2 of 2)
Test Code: VCF1016.346f | 08-4676-9043

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.01	23.98	24.04	24	24.1	0.01249	0.03531	0.15%	0
6.25		8	24	24	24	24	24	0	0	0.0%	0
12.5		8	24.06	23.91	24.21	24	24.5	0.0625	0.1768	0.73%	0
25		8	24.04	23.95	24.13	24	24.3	0.03751	0.1061	0.44%	0
50		8	24	24	24	24	24	0	0	0.0%	0
100		8	24	24	24	24	24	0	0	0.0%	0
Overall		48	24.02	23.99	24.04	24	24.5	0.01215	0.08419	0.35%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	91	95	95
100		80	80	80	80	80	80	80	80

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		321	313	309	308	308	304	321	328
12.5		313	306	302	302	302	309	315	321
25		296	289	286	287	286	287	298	301
50		263	257	254	256	255	259	264	266
100		195	191	186	192	191	194	193	198

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.7	7.5	7.9	7.8	7.6	7.6	7.2	7.2
12.5		7.6	7.3	7.3	7.9	7.5	7.8	7.2	7.3
25		7.5	6.7	7.5	7.9	7.3	7.8	7.1	7.6
50		7.3	7	6.5	6.2	7.4	6.8	7	7.4
100		6.7	4.3	8	7.3	7.7	7.1	7.9	6.2

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		90	90	90	90	90	90	90	90

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.5	7.8	7.5	8
6.25		7.4	7.3	7.6	7	7.5	7.5	7.7	7.1
12.5		7.4	7.3	7.6	7.5	7.5	7.5	7.6	7.2
25		7.4	7.3	7.5	7.5	7.5	7.5	7.6	7.2
50		7.3	7.2	7.4	7.5	7.5	7.4	7.5	7.1
100		7	7	7.4	7.4	7	7.2	7.3	7.2

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24.1	24	24	24	24	24
6.25		24	24	24	24	24	24	24	24
12.5		24	24	24	24	24	24	24	24.5
25		24	24	24	24	24.3	24	24	24
50		24	24	24	24	24	24	24	24
100		24	24	24	24	24	24	24	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-OXN
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.354

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 14:10 (p 1 of 2)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Batch ID:	10-5334-5667	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 15:00	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	04 Nov-16 13:00	Species:	Pimephales promelas	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	00-1380-6250	Code:	VCF1016.354	Client:	VCWPD
Sample Date:	28 Oct-16 07:15	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 10:05	Source:	Bioassay Report		
Sample Age:	8h	Station:	MO-OXN		

Multiple Comparison Summary							
Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
20-2673-0564	7d Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	9.53%
15-4019-8941	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	100	> 100	n/a	1	16.7%

Point Estimate Summary							
Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU ✓
00-2725-5678	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1
			EC10	>100	n/a	n/a	<1
			EC15	>100	n/a	n/a	<1 ✓
			EC20	>100	n/a	n/a	<1 ✓
			EC25	>100	n/a	n/a	<1 ✓
			EC40	>100	n/a	n/a	<1 ✓
			EC50	>100	n/a	n/a	<1 ✓
13-4338-2798	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	74.95	17.49	88.28	1,334 ✓
			IC10	99.9	41.35	n/a	1,001 ✓
			IC15	>100	n/a	n/a	<1 ✓
			IC20	>100	n/a	n/a	<1 ✓
			IC25	>100	n/a	n/a	<1 ✓
			IC40	>100	n/a	n/a	<1 ✓
			IC50	>100	n/a	n/a	<1 ✓

Test Acceptability							
				TAC Limits			
Analysis ID	Endpoint	Attribute	Test Stat	Lower	Upper	Overlap	Decision
00-2725-5678	7d Survival Rate	Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria
20-2673-0564	7d Survival Rate	Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria
13-4338-2798	Mean Dry Biomass-mg	Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria
15-4019-8941	Mean Dry Biomass-mg	Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	0.00%
6.25		4	0.9833	0.9303	1.0000	0.9333	1.0000	0.0167	0.0333	3.39%	-1.72%
12.5		4	0.9500	0.8484	1.0000	0.8667	1.0000	0.0319	0.0638	6.72%	1.72%
25		4	0.9500	0.8484	1.0000	0.8667	1.0000	0.0319	0.0638	6.72%	1.72%
50		4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	0.00%
100		4	0.9500	0.8484	1.0000	0.8667	1.0000	0.0319	0.0638	6.72%	1.72%

Mean Dry Biomass-mg Summary											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3443	0.3103	0.3784	0.318	0.37	0.0107	0.02141	6.22%	0.00%
6.25		4	0.4227	0.3878	0.4575	0.404	0.454	0.01094	0.02189	5.18%	-22.75%
12.5		4	0.4348	0.3582	0.5114	0.3647	0.4693	0.02407	0.04813	11.07%	-26.28%
25		4	0.421	0.3633	0.4787	0.374	0.458	0.01814	0.03628	8.62%	-22.27%
50		4	0.4082	0.3329	0.4834	0.36	0.4713	0.02365	0.0473	11.59%	-18.54%
100		4	0.3655	0.3519	0.3791	0.3533	0.3733	0.004272	0.008544	2.34%	-6.15%

CETIS Summary Report

Report Date: 02 Dec-16 14:10 (p 2 of 2)
 Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	0.9333	1.0000
6.25		1.0000	1.0000	0.9333	1.0000
12.5		1.0000	0.8667	0.9333	1.0000
25		1.0000	0.8667	1.0000	0.9333
50		1.0000	0.9333	1.0000	0.9333
100		1.0000	0.9333	0.8667	1.0000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3413	0.37	0.318	0.348
6.25		0.454	0.4127	0.404	0.42
12.5		0.4427	0.3647	0.4627	0.4693
25		0.4387	0.374	0.458	0.4133
50		0.36	0.3887	0.4713	0.4127
100		0.3673	0.3733	0.3533	0.368

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	14/15	15/15
6.25		15/15	15/15	14/15	15/15
12.5		15/15	13/15	14/15	15/15
25		15/15	13/15	15/15	14/15
50		15/15	14/15	15/15	14/15
100		15/15	14/15	13/15	15/15

CETIS Analytical Report

Report Date: 02 Dec-16 14:08 (p 1 of 4)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 20-2673-0564	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 14:06	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 10-5334-5667	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:00	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-1380-6250	Code: VCF1016.354	Client: VCWPD
Sample Date: 28 Oct-16 07:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 8h	Station: MO-OXN	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.53%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	20	10	3	6	Asymp	0.9516	Non-Significant Effect
		12.5	17	10	3	6	Asymp	0.7334	Non-Significant Effect
		25	17	10	3	6	Asymp	0.7334	Non-Significant Effect
		50	18	10	3	6	Asymp	0.8333	Non-Significant Effect
		100	17	10	3	6	Asymp	0.7334	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0120792	0.0024158	5	0.2517	0.9335	Non-Significant Effect
Error	0.172774	0.0095985	18			
Total	0.184853		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	1.855	15.09	0.8689	Equal Variances
Variances	Levene Equality of Variance Test	1.214	4.248	0.3424	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.047	4.248	0.4212	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	1.229	3.878	0.0031	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	1.899	2.576	0.0576	Normal Distribution
Distribution	D'Agostino Skewness Test	1.001	2.576	0.3171	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	4.606	9.21	0.1000	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.193	0.2056	0.0212	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.8703	0.884	0.0053	Non-Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	0.00%
6.25		4	0.9833	0.9303	1.0000	1.0000	0.9333	1.0000	0.0167	3.39%	-1.72%
12.5		4	0.9500	0.8484	1.0000	0.9667	0.8667	1.0000	0.0319	6.72%	1.72%
25		4	0.9500	0.8484	1.0000	0.9667	0.8667	1.0000	0.0319	6.72%	1.72%
50		4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	0.00%
100		4	0.9500	0.8484	1.0000	0.9667	0.8667	1.0000	0.0319	6.72%	1.72%

CETIS Analytical Report

Report Date: 02 Dec-16 14:08 (p 2 of 4)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 20-2673-0564 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 14:06 Analysis: Nonparametric-Control vs Treatments

CETIS Version: CETISv1 9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	0.00%
6.25		4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	-2.39%
12.5		4	1.347	1.16	1.535	1.375	1.197	1.441	0.05894	8.75%	2.05%
25		4	1.347	1.16	1.535	1.375	1.197	1.441	0.05894	8.75%	2.05%
50		4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	0.00%
100		4	1.347	1.16	1.535	1.375	1.197	1.441	0.05894	8.75%	2.05%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	0.9333	1.0000
6.25		1.0000	1.0000	0.9333	1.0000
12.5		1.0000	0.8667	0.9333	1.0000
25		1.0000	0.8667	1.0000	0.9333
50		1.0000	0.9333	1.0000	0.9333
100		1.0000	0.9333	0.8667	1.0000

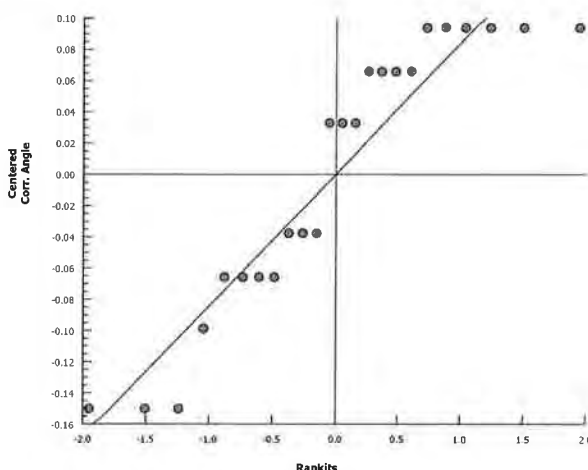
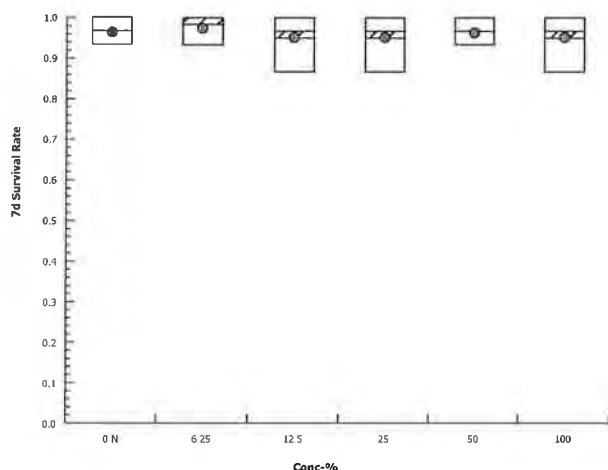
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.31	1.441	1.31	1.441
6.25		1.441	1.441	1.31	1.441
12.5		1.441	1.197	1.31	1.441
25		1.441	1.197	1.441	1.31
50		1.441	1.31	1.441	1.31
100		1.441	1.31	1.197	1.441

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	14/15	15/15
6.25		15/15	15/15	14/15	15/15
12.5		15/15	13/15	14/15	15/15
25		15/15	13/15	15/15	14/15
50		15/15	14/15	15/15	14/15
100		15/15	14/15	13/15	15/15

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 14:08 (p 3 of 4)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 15-4019-8941	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2					
Analyzed: 02 Dec-16 14:07	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 10-5334-5667	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 28 Oct-16 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 04 Nov-16 13:00	Species: Pimephales promelas	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 00-1380-6250	Code: VCF1016.354	Client: VCWPD					
Sample Date: 28 Oct-16 07:15	Material: Sample Water	Project: 2016/17-1 (Wet)					
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report						
Sample Age: 8h	Station: MO-OXN						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	16.74%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-3.271	2.407	0.058	6	CDF	1.0000	Non-Significant Effect
		12.5	-3.78	2.407	0.058	6	CDF	1.0000	Non-Significant Effect
		25	-3.202	2.407	0.058	6	CDF	1.0000	Non-Significant Effect
		50	-2.666	2.407	0.058	6	CDF	0.9999	Non-Significant Effect
		100	-0.884	2.407	0.058	6	CDF	0.9765	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0260873	0.0052175	5	4.55	0.0074	Significant Effect
Error	0.0206401	0.0011467	18			
Total	0.0467274		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	8.059	15.09	0.1530	Equal Variances
Variances	Levene Equality of Variance Test	1.606	4.248	0.2091	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.01	4.248	0.4405	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.3245	3.878	0.5425	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.7882	2.576	0.4306	Normal Distribution
Distribution	D'Agostino Skewness Test	0.6958	2.576	0.4865	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.105	9.21	0.5754	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1052	0.2056	0.7406	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9771	0.884	0.8363	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.3443	0.3103	0.3784	0.3447	0.318	0.37	0.0107	6.22%	0.00%
6.25		4	0.4227	0.3878	0.4575	0.4163	0.404	0.454	0.01094	5.18%	-22.75%
12.5		4	0.4348	0.3582	0.5114	0.4527	0.3647	0.4693	0.02407	11.07%	-26.28%
25		4	0.421	0.3633	0.4787	0.426	0.374	0.458	0.01814	8.62%	-22.27%
50		4	0.4082	0.3329	0.4834	0.4007	0.36	0.4713	0.02365	11.59%	-18.54%
100		4	0.3655	0.3519	0.3791	0.3677	0.3533	0.3733	0.004272	2.34%	-6.15%

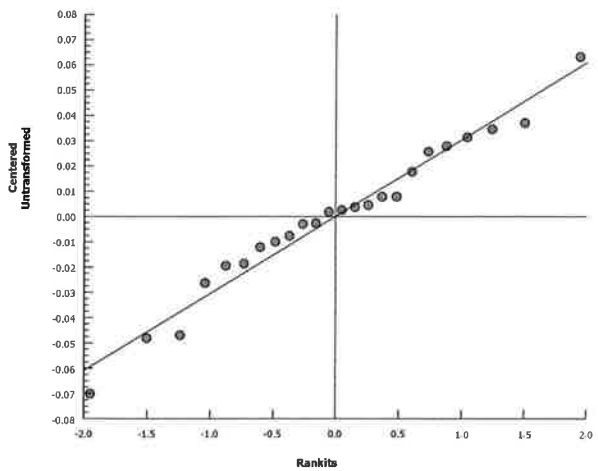
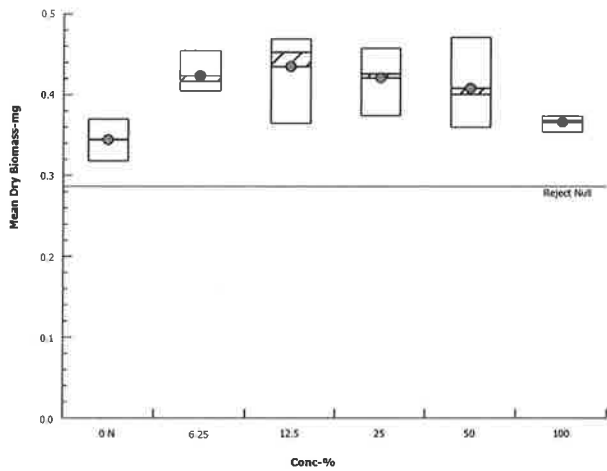
Fathead Minnow 7-d Larval Survival and Growth Test Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 15-4019-8941	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 14:07	Analysis: Parametric-Control vs Treatments	Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3413	0.37	0.318	0.348
6.25		0.454	0.4127	0.404	0.42
12.5		0.4427	0.3647	0.4627	0.4693
25		0.4387	0.374	0.458	0.4133
50		0.36	0.3887	0.4713	0.4127
100		0.3673	0.3733	0.3533	0.368

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 14:09 (p 1 of 4)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 00-2725-5678	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 14:07	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 10-5334-5667	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:00	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-1380-6250	Code: VCF1016.354	Client: VCWPD
Sample Date: 28 Oct-16 07:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 8h	Station: MO-OXN	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits		Overlap	Decision
		Lower	Upper		
Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	0.0%	58	60
6.25		4	0.9833	0.9333	1.0000	0.0167	0.0333	3.39%	-1.72%	59	60
12.5		4	0.9500	0.8667	1.0000	0.0319	0.0638	6.72%	1.72%	57	60
25		4	0.9500	0.8667	1.0000	0.0319	0.0638	6.72%	1.72%	57	60
50		4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	0.0%	58	60
100		4	0.9500	0.8667	1.0000	0.0319	0.0638	6.72%	1.72%	57	60

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	0.9333	1.0000
6.25		1.0000	1.0000	0.9333	1.0000
12.5		1.0000	0.8667	0.9333	1.0000
25		1.0000	0.8667	1.0000	0.9333
50		1.0000	0.9333	1.0000	0.9333
100		1.0000	0.9333	0.8667	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	14/15	15/15
6.25		15/15	15/15	14/15	15/15
12.5		15/15	13/15	14/15	15/15
25		15/15	13/15	15/15	14/15
50		15/15	14/15	15/15	14/15
100		15/15	14/15	13/15	15/15

CETIS Analytical Report

Report Date: 02 Dec-16 14:09 (p 2 of 4)
Test Code: VCF1016.354f | 05-4896-7054

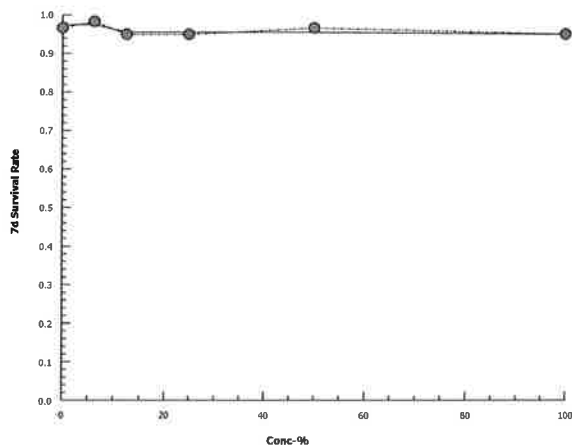
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 00-2725-5678 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 14:07 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 14:09 (p 3 of 4)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 13-4338-2798	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 14:07	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 10-5334-5667	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:00	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-1380-6250	Code: VCF1016.354	Client: VCWPD
Sample Date: 28 Oct-16 07:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 8h	Station: MO-OXN	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	74.95	17.49	88.28	1.334	1.133	5.717
IC10	99.9	41.35	n/a	1.001	n/a	2.418
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3443	0.318	0.37	0.0107	0.02141	6.22%	0.0%
6.25		4	0.4227	0.404	0.454	0.01094	0.02189	5.18%	-22.75%
12.5		4	0.4348	0.3647	0.4693	0.02407	0.04813	11.07%	-26.28%
25		4	0.421	0.374	0.458	0.01814	0.03628	8.62%	-22.27%
50		4	0.4082	0.36	0.4713	0.02365	0.0473	11.59%	-18.54%
100		4	0.3655	0.3533	0.3733	0.004272	0.008544	2.34%	-6.15%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3413	0.37	0.318	0.348
6.25		0.454	0.4127	0.404	0.42
12.5		0.4427	0.3647	0.4627	0.4693
25		0.4387	0.374	0.458	0.4133
50		0.36	0.3887	0.4713	0.4127
100		0.3673	0.3733	0.3533	0.368

CETIS Analytical Report

Report Date: 02 Dec-16 14:09 (p 4 of 4)
Test Code: VCF1016.354f | 05-4896-7054

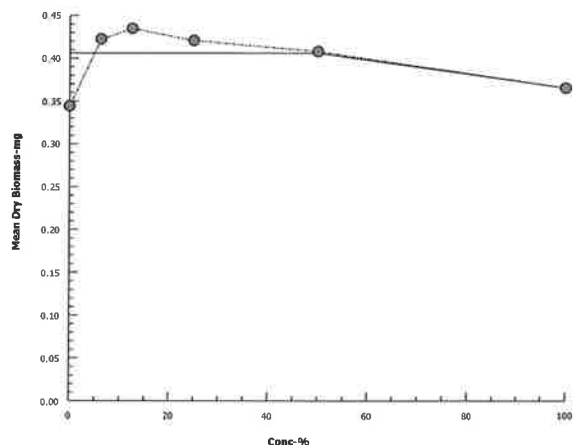
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 13-4338-2798 Endpoint: Mean Dry Biomass-mg
Analyzed: 02 Dec-16 14:07 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 14:09 (p 1 of 2)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 10-5334-5667	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:00	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-1380-6250	Code: VCF1016.354	Client: VCWPD
Sample Date: 28 Oct-16 07:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 8h	Station: MO-OXN	

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	38			38	38	0	0	0.0%	0
Overall		9	59.56	53.2	65.91	38	65	2.754	8.263	13.87%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	314	306.7	321.3	305	324	3.094	8.751	2.79%	0
12.5		8	313.2	287.8	338.7	297	387	10.78	30.48	9.73%	0
25		8	282	275.4	288.6	274	293	2.797	7.91	2.81%	0
50		8	235.9	229.6	242.1	226	249	2.635	7.453	3.16%	0
100		8	148.1	141.7	154.6	139	160	2.728	7.717	5.21%	0
Overall		48	270.4	251.6	289.2	139	387	9.34	64.71	23.93%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	7.637	7.423	7.852	7.2	8	0.09051	0.256	3.35%	0
12.5		8	7.5	7.352	7.648	7.2	7.8	0.06268	0.1773	2.36%	0
25		8	7.613	7.392	7.833	7.3	8	0.09342	0.2642	3.47%	0
50		8	15.2	-3.99	34.39	6.4	72	8.115	22.95	151.0%	0
100		8	6.525	5.257	7.793	4	7.9	0.5361	1.516	23.24%	0
Overall		48	8.702	5.984	11.42	4	72	1.351	9.361	107.60%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		1	60			60	60	0	0	0.0%	0
Overall		9	86.44	77.96	94.93	60	96	3.678	11.04	12.77%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.763	7.608	7.917	7.5	8	0.06529	0.1847	2.38%	0
6.25		8	7.512	7.408	7.617	7.3	7.7	0.04407	0.1246	1.66%	0
12.5		8	7.513	7.399	7.626	7.4	7.8	0.04795	0.1356	1.81%	0
25		8	7.475	7.388	7.562	7.3	7.6	0.0366	0.1035	1.39%	0
50		8	7.475	7.401	7.549	7.3	7.6	0.03134	0.08864	1.19%	0
100		8	7.325	7.142	7.508	7	7.6	0.07734	0.2188	2.99%	0
Overall		48	7.51	7.454	7.566	7	8	0.02781	0.1927	2.57%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 14:09 (p 2 of 2)
Test Code: VCF1016.354f | 05-4896-7054

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.25	23.8	24.7	24	25.5	0.189	0.5345	2.2%	0
6.25		8	24.1	23.86	24.34	24	24.8	0.1	0.2828	1.17%	0
12.5		8	24.24	23.74	24.73	24	25.7	0.2104	0.5951	2.46%	0
25		8	24.01	23.98	24.04	24	24.1	0.01249	0.03531	0.15%	0
50		8	21.6	15.65	27.55	4	24.8	2.516	7.117	32.95%	0
100		8	24.08	23.95	24.2	24	24.4	0.05261	0.1488	0.62%	0
Overall		48	23.71	22.86	24.56	4	25.7	0.4226	2.928	12.35%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		38							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		321	308	305	305	306	319	324	324
12.5		387	300	300	298	297	299	310	315
25		292	278	276	276	274	278	289	293
50		226	233	232	233	234	235	245	249
100		139	142	143	148	145	149	159	160

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.6	7.5	7.9	8	7.5	7.8	7.2	7.6
12.5		7.6	7.6	7.8	7.2	7.4	7.4	7.5	7.5
25		7.6	7.3	7.8	8	7.3	7.9	7.5	7.5
50		7.4	7.3	7.4	7.2	6.7	6.4	7.2	7.2
100		7.5	6.9	4.3	7.7	4	7.1	6.8	7.9

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		60							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.5	7.8	7.5	7.7
6.25		7.5	7.6	7.6	7.5	7.4	7.5	7.3	7.7
12.5		7.4	7.6	7.5	7.5	7.4	7.5	7.4	7.8
25		7.5	7.6	7.5	7.5	7.4	7.6	7.3	7.4
50		7.5	7.5	7.5	7.5	7.5	7.4	7.6	7.3
100		7.2	7.2	7.5	7.3	7.6	7	7.6	7.2

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24.5	25.5	24	24	24	24
6.25		24	24.8	24	24	24	24	24	24
12.5		24	24	24	24	24	24	24.2	25.7
25		24	24	24	24.1	24	24	24	24
50		24	24.8	24	24	24	24	24	4
100		24	24	24.4	24	24	24	24.2	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-SPA
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.360

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 14:31 (p 1 of 2)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 10-7564-6951	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:17	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:20	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 19-4634-1801	Code: VCF1016.360	Client: VCWPD
Sample Date: 28 Oct-16 06:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 9h	Station: MO-SPA	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
07-3151-8235	7d Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	9.84%	
05-4536-6022	Mean Dry Biomass-mg	Steel Many-One Rank Sum Test	100	> 100	n/a	1	39.3%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
14-8867-4415	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1	
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
08-3259-7460	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	39.1	13.91	n/a	2.557	✓
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
07-3151-8235	7d Survival Rate	Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria
14-8867-4415	7d Survival Rate	Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria
05-4536-6022	Mean Dry Biomass-mg	Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria
08-3259-7460	Mean Dry Biomass-mg	Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	0.00%
6.25		4	0.9833	0.9303	1.0000	0.9333	1.0000	0.0167	0.0333	3.39%	-1.72%
12.5		4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	0.00%
25		4	0.9333	0.8467	1.0000	0.8667	1.0000	0.0272	0.0544	5.83%	3.45%
50		4	0.9333	0.8467	1.0000	0.8667	1.0000	0.0272	0.0544	5.83%	3.45%
100		4	0.9333	0.7833	1.0000	0.8000	1.0000	0.0471	0.0943	10.10%	3.45%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3443	0.3103	0.3784	0.318	0.37	0.0107	0.02141	6.22%	0.00%
6.25		4	0.432	0.3658	0.4982	0.3953	0.4687	0.02079	0.04158	9.62%	-25.46%
12.5		4	0.4208	0.3789	0.4628	0.3987	0.4573	0.01319	0.02638	6.27%	-22.22%
25		4	0.3993	0.3589	0.4398	0.3673	0.422	0.0127	0.02541	6.36%	-15.97%
50		4	0.3528	0.2919	0.4137	0.3153	0.3987	0.01914	0.03828	10.85%	-2.47%
100		4	0.3747	0.08601	0.6633	0.2327	0.636	0.0907	0.1814	48.42%	-8.81%

CETIS Summary Report

Report Date: 02 Dec-16 14:31 (p 2 of 2)
 Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	0.9333	1.0000
6.25		1.0000	0.9333	1.0000	1.0000
12.5		1.0000	0.9333	0.9333	1.0000
25		0.8667	0.9333	0.9333	1.0000
50		0.8667	1.0000	0.9333	0.9333
100		0.9333	0.8000	1.0000	1.0000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3413	0.37	0.318	0.348
6.25		0.3953	0.3967	0.4687	0.4673
12.5		0.4047	0.3987	0.4227	0.4573
25		0.3673	0.3907	0.4173	0.422
50		0.3153	0.3693	0.328	0.3987
100		0.2753	0.2327	0.3547	0.636

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	14/15	15/15
6.25		15/15	14/15	15/15	15/15
12.5		15/15	14/15	14/15	15/15
25		13/15	14/15	14/15	15/15
50		13/15	15/15	14/15	14/15
100		14/15	12/15	15/15	15/15

CETIS Analytical Report

Report Date: 02 Dec-16 14:28 (p 1 of 4)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-3151-8235	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 14:27	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 10-7564-6951	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:17	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:20	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 19-4634-1801	Code: VCF1016.360	Client: VCWPD
Sample Date: 28 Oct-16 06:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 9h	Station: MO-SPA	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.84%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-0.4626	2.407	0.171	6	CDF	0.9343	Non-Significant Effect
		12.5	0	2.407	0.171	6	CDF	0.8333	Non-Significant Effect
		25	0.8583	2.407	0.171	6	CDF	0.4856	Non-Significant Effect
		50	0.8583	2.407	0.171	6	CDF	0.4856	Non-Significant Effect
		100	0.7113	2.407	0.171	6	CDF	0.5528	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0313942	0.0062788	5	0.6198	0.6865	Non-Significant Effect
Error	0.182339	0.0101299	18			
Total	0.213733		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.921	15.09	0.7122	Equal Variances
Variances	Levene Equality of Variance Test	0.7566	4.248	0.5924	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.7166	4.248	0.6192	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.4211	3.878	0.3280	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.1687	2.576	0.8660	Normal Distribution
Distribution	D'Agostino Skewness Test	1.06	2.576	0.2891	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.152	9.21	0.5621	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1037	0.2056	0.7680	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9519	0.884	0.2982	Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	0.00%
6.25		4	0.9833	0.9303	1.0000	1.0000	0.9333	1.0000	0.0167	3.39%	-1.72%
12.5		4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	0.00%
25		4	0.9333	0.8467	1.0000	0.9333	0.8667	1.0000	0.0272	5.83%	3.45%
50		4	0.9333	0.8467	1.0000	0.9333	0.8667	1.0000	0.0272	5.83%	3.45%
100		4	0.9333	0.7833	1.0000	0.9667	0.8000	1.0000	0.0471	10.10%	3.45%

CETIS Analytical Report

Report Date: 02 Dec-16 14:28 (p 2 of 4)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-3151-8235 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 14:27 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	0.00%
6.25		4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	-2.39%
12.5		4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	0.00%
25		4	1.314	1.155	1.473	1.31	1.197	1.441	0.04995	7.60%	4.44%
50		4	1.314	1.155	1.473	1.31	1.197	1.441	0.04995	7.60%	4.44%
100		4	1.325	1.074	1.576	1.375	1.107	1.441	0.07893	11.92%	3.68%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	0.9333	1.0000
6.25		1.0000	0.9333	1.0000	1.0000
12.5		1.0000	0.9333	0.9333	1.0000
25		0.8667	0.9333	0.9333	1.0000
50		0.8667	1.0000	0.9333	0.9333
100		0.9333	0.8000	1.0000	1.0000

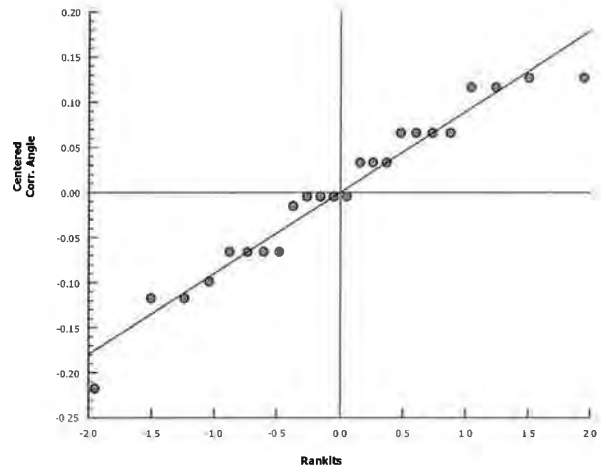
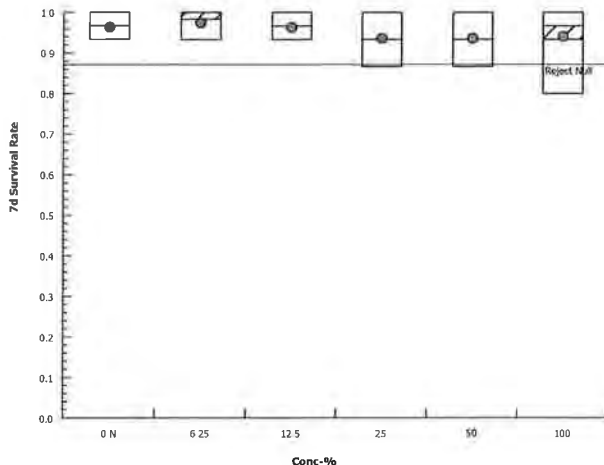
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.31	1.441	1.31	1.441
6.25		1.441	1.31	1.441	1.441
12.5		1.441	1.31	1.31	1.441
25		1.197	1.31	1.31	1.441
50		1.197	1.441	1.31	1.31
100		1.31	1.107	1.441	1.441

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	14/15	15/15
6.25		15/15	14/15	15/15	15/15
12.5		15/15	14/15	14/15	15/15
25		13/15	14/15	14/15	15/15
50		13/15	15/15	14/15	14/15
100		14/15	12/15	15/15	15/15

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 14:29 (p 3 of 4)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 05-4536-6022	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2					
Analyzed: 02 Dec-16 14:27	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes					
Batch ID: 10-7564-6951	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 28 Oct-16 15:17	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 04 Nov-16 13:20	Species: Pimephales promelas	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 19-4634-1801	Code: VCF1016.360	Client: VCWPD					
Sample Date: 28 Oct-16 06:15	Material: Sample Water	Project: 2016/17-1 (Wet)					
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report						
Sample Age: 9h	Station: MO-SPA						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	39.29%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	26	10	0	6	Asymp	0.9999	Non-Significant Effect
		12.5	26	10	0	6	Asymp	0.9999	Non-Significant Effect
		25	25	10	0	6	Asymp	0.9997	Non-Significant Effect
		50	18	10	0	6	Asymp	0.8333	Non-Significant Effect
		100	17	10	0	6	Asymp	0.7334	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0258442	0.0051688	5	0.8182	0.5524	Non-Significant Effect
Error	0.113708	0.0063171	18			
Total	0.139552		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	21.82	15.09	5.7E-04	Unequal Variances
Variances	Levene Equality of Variance Test	4.34	4.248	0.0091	Unequal Variances
Variances	Mod Levene Equality of Variance Test	2.036	4.248	0.1218	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	1.845	3.878	<1.0E-37	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	3.664	2.576	2.5E-04	Non-Normal Distribution
Distribution	D'Agostino Skewness Test	3.44	2.576	5.8E-04	Non-Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	25.25	9.21	3.3E-06	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.2177	0.2056	0.0046	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.7771	0.884	1.3E-04	Non-Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.3443	0.3103	0.3784	0.3447	0.318	0.37	0.0107	6.22%	0.00%
6.25		4	0.432	0.3658	0.4982	0.432	0.3953	0.4687	0.02079	9.62%	-25.46%
12.5		4	0.4208	0.3789	0.4628	0.4137	0.3987	0.4573	0.01319	6.27%	-22.22%
25		4	0.3993	0.3589	0.4398	0.404	0.3673	0.422	0.0127	6.36%	-15.97%
50		4	0.3528	0.2919	0.4137	0.3487	0.3153	0.3987	0.01914	10.85%	-2.47%
100		4	0.3747	0.08601	0.6633	0.315	0.2327	0.636	0.0907	48.42%	-8.81%

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

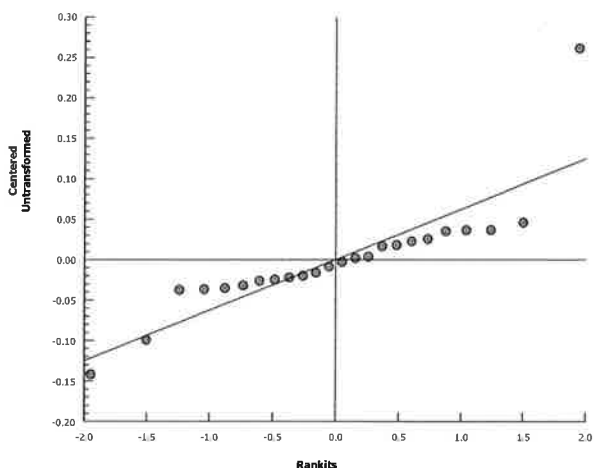
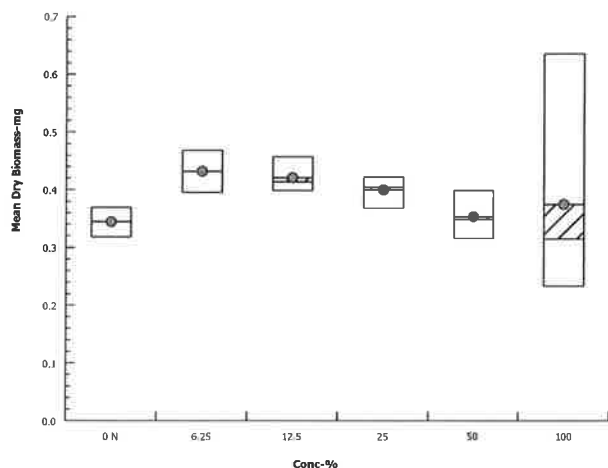
Analysis ID: 05-4536-6022 Endpoint: Mean Dry Biomass-mg
 Analyzed: 02 Dec-16 14:27 Analysis: Nonparametric-Control vs Treatments

CETIS Version: CETISv1.9.2
 Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3413	0.37	0.318	0.348
6.25		0.3953	0.3967	0.4687	0.4673
12.5		0.4047	0.3987	0.4227	0.4573
25		0.3673	0.3907	0.4173	0.422
50		0.3153	0.3693	0.328	0.3987
100		0.2753	0.2327	0.3547	0.636

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 14:29 (p 1 of 4)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 14-8867-4415	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2		Official Results: Yes	
Analyzed: 02 Dec-16 14:27	Analysis: Linear Interpolation (ICPIN)				
Batch ID: 10-7564-6951	Test Type: Growth-Survival (7d)	Analyst: Joe Freas			
Start Date: 28 Oct-16 15:17	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 04 Nov-16 13:20	Species: Pimephales promelas	Brine: Not Applicable			
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 19-4634-1801	Code: VCF1016.360	Client: VCWPD			
Sample Date: 28 Oct-16 06:15	Material: Sample Water	Project: 2016/17-1 (Wet)			
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report				
Sample Age: 9h	Station: MO-SPA				

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1416828	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	0.9667	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

		Calculated Variate(A/B)									
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	0.0%	58	60
6.25		4	0.9833	0.9333	1.0000	0.0167	0.0333	3.39%	-1.72%	59	60
12.5		4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	0.0%	58	60
25		4	0.9333	0.8667	1.0000	0.0272	0.0544	5.83%	3.45%	56	60
50		4	0.9333	0.8667	1.0000	0.0272	0.0544	5.83%	3.45%	56	60
100		4	0.9333	0.8000	1.0000	0.0471	0.0943	10.10%	3.45%	56	60

7d Survival Rate Detail

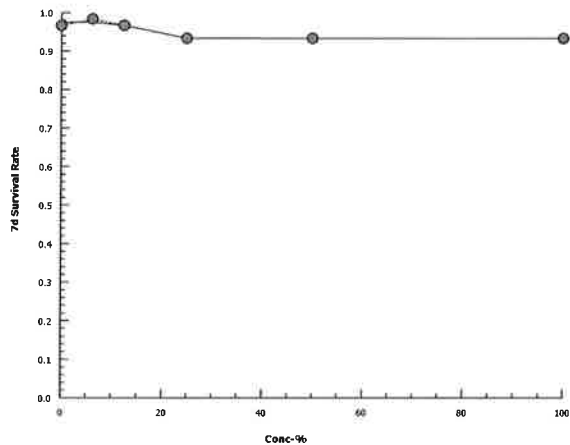
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	0.9333	1.0000
6.25		1.0000	0.9333	1.0000	1.0000
12.5		1.0000	0.9333	0.9333	1.0000
25		0.8667	0.9333	0.9333	1.0000
50		0.8667	1.0000	0.9333	0.9333
100		0.9333	0.8000	1.0000	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	14/15	15/15
6.25		15/15	14/15	15/15	15/15
12.5		15/15	14/15	14/15	15/15
25		13/15	14/15	14/15	15/15
50		13/15	15/15	14/15	14/15
100		14/15	12/15	15/15	15/15

Fathead Minnow 7-d Larval Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	14-8867-4415	Endpoint:	7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed:	02 Dec-16 14:27	Analysis:	Linear Interpolation (ICPIN)	Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 14:29 (p 3 of 4)

Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-3259-7460	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 14:27	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 10-7564-6951	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:17	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 13:20	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 19-4634-1801	Code: VCF1016.360	Client: VCWPD
Sample Date: 28 Oct-16 06:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 9h	Station: MO-SPA	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	0.3443	0.25	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	39.1	13.91	n/a	2.557	n/a	7.19
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3443	0.318	0.37	0.0107	0.02141	6.22%	0.0%
6.25		4	0.432	0.3953	0.4687	0.02079	0.04158	9.62%	-25.46%
12.5		4	0.4208	0.3987	0.4573	0.01319	0.02638	6.27%	-22.22%
25		4	0.3993	0.3673	0.422	0.0127	0.02541	6.36%	-15.97%
50		4	0.3528	0.3153	0.3987	0.01914	0.03828	10.85%	-2.47%
100		4	0.3747	0.2327	0.636	0.0907	0.1814	48.42%	-8.81%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3413	0.37	0.318	0.348
6.25		0.3953	0.3967	0.4687	0.4673
12.5		0.4047	0.3987	0.4227	0.4573
25		0.3673	0.3907	0.4173	0.422
50		0.3153	0.3693	0.328	0.3987
100		0.2753	0.2327	0.3547	0.636

CETIS Analytical Report

Report Date: 02 Dec-16 14:29 (p 4 of 4)
Test Code: VCF1016.360f | 16-4345-1343

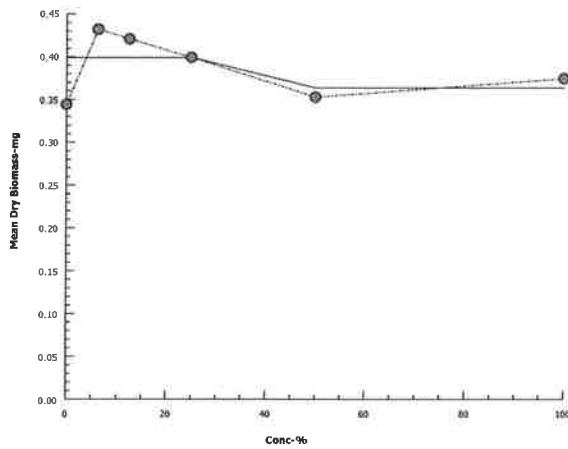
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-3259-7460 Endpoint: Mean Dry Biomass-mg
Analyzed: 02 Dec-16 14:27 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 14:29 (p 1 of 2)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 10-7564-6951
Start Date: 28 Oct-16 15:17
Ending Date: 04 Nov-16 13:20
Duration: 6d 22h
Test Type: Growth-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Pimephales promelas
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 19-4634-1801
Sample Date: 28 Oct-16 06:15
Receipt Date: 28 Oct-16 12:10
Sample Age: 9h
Code: VCF1016.360
Material: Sample Water
Source: Bioassay Report
Station: MO-SPA

Client: VCWPD
Project: 2016/17-1 (Wet)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	135			135	135	0	0	0.0%	0
Overall		9	70.33	51.65	89.02	61	135	8.103	24.31	34.56%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	366.8	279.1	454.4	319	625	37.05	104.8	28.58%	0
6.25		8	342.1	333.8	350.4	335	360	3.512	9.935	2.9%	0
12.5		8	369	361.6	376.4	360	381	3.14	8.88	2.41%	0
25		8	413.5	408.9	418.1	407	425	1.955	5.529	1.34%	0
50		8	505.9	502.6	509.2	501	512	1.394	3.944	0.78%	0
100		8	689.1	682.3	696	675	699	2.906	8.219	1.19%	0
Overall		48	447.7	410.5	485	319	699	18.51	128.2	28.64%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	7.512	7.198	7.827	6.8	7.9	0.1329	0.3758	5.0%	0
12.5		8	6.587	5.968	7.207	5.4	7.6	0.2622	0.7415	11.26%	0
25		8	7.075	6.62	7.53	6	7.5	0.1925	0.5445	7.7%	0
50		8	6.513	5.909	7.116	5.1	7.4	0.2553	0.722	11.09%	0
100		8	6.025	4.843	7.207	4.3	7.5	0.4999	1.414	23.47%	0
Overall		48	6.908	6.635	7.182	4.3	8.1	0.1361	0.943	13.65%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		1	232			232	232	0	0	0.0%	0
Overall		9	105.6	68.92	142.2	86	232	15.89	47.66	45.15%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.95	7.745	8.155	7.5	8.3	0.0866	0.2449	3.08%	0
6.25		8	7.425	7.154	7.696	7	8.1	0.1146	0.324	4.36%	0
12.5		8	7.35	7.183	7.517	7.2	7.8	0.07071	0.2	2.72%	0
25		8	7.4	7.3	7.5	7.2	7.6	0.04226	0.1195	1.62%	0
50		8	7.275	7.178	7.372	7.1	7.4	0.04119	0.1165	1.6%	0
100		8	7.125	7.066	7.184	7	7.2	0.025	0.07071	0.99%	0
Overall		48	7.421	7.328	7.514	7	8.3	0.04622	0.3202	4.32%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 14:29 (p 2 of 2)
Test Code: VCF1016.360f | 16-4345-1343

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.1	23.86	24.34	24	24.8	0.1	0.2828	1.17%	0
6.25		8	24.09	23.91	24.26	24	24.6	0.07425	0.21	0.87%	0
12.5		8	24.08	23.9	24.25	24	24.6	0.075	0.2121	0.88%	0
25		8	24.06	23.91	24.21	24	24.5	0.0625	0.1768	0.73%	0
50		8	24.05	23.93	24.17	24	24.4	0.05	0.1414	0.59%	0
100		8	24.04	23.95	24.13	24	24.3	0.03751	0.1061	0.44%	0
Overall		48	24.07	24.01	24.12	24	24.8	0.02699	0.187	0.78%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		135							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	625	336	348
6.25		360	337	336	335	339	336	338	356
12.5		376	381	363	366	360	364	361	381
25		417	413	410	407	410	414	412	425
50		512	506	503	504	501	507	503	511
100		691	685	681	697	675	694	691	699

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.7	7.5	7.9	7.8	7.6	7.7	7.1	6.8
12.5		7.6	5.4	6	7.4	6.1	6.6	6.6	7
25		7.5	7.1	7.4	7.5	7.4	7.2	6.5	6
50		7.3	6.6	6.4	6.2	7.4	6.3	6.8	5.1
100		7.2	5	7.4	5.4	7.1	4.3	7.5	4.3

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		232							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	8.2	8.3	7.5	8
6.25		8.1	7.5	7.5	7.5	7	7.3	7.3	7.2
12.5		7.8	7.4	7.4	7.2	7.2	7.3	7.3	7.2
25		7.6	7.4	7.5	7.4	7.4	7.3	7.4	7.2
50		7.4	7.4	7.3	7.2	7.4	7.2	7.2	7.1
100		7.2	7.2	7.2	7.1	7.1	7.1	7.1	7

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24	24	24.8	24	24	24
6.25		24	24	24	24	24	24.6	24	24.1
12.5		24	24.6	24	24	24	24	24	24
25		24	24	24	24	24.5	24	24	24
50		24	24	24	24	24	24.4	24	24
100		24	24	24	24	24.3	24	24	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-VEN
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.353

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 15:17 (p 1 of 2)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 02-0625-1802	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:10	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-5076-3879	Code: VCF1016.353	Client: VCWPD
Sample Date: 28 Oct-16 07:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 7h	Station: MO-VEN	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
00-3139-5123	7d Survival Rate	Fisher Exact/Bonferroni-Holm Test	100	> 100	n/a	1	n/a	
10-2424-9105	Reproduction	Dunnett Multiple Comparison Test	100	> 100	n/a	1	33.7%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
14-2990-4533	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1	
			EC10	>100	n/a	n/a	<1	
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
07-9639-3459	Reproduction	Linear Interpolation (ICPIN)	IC5	34.82	4.077	n/a	2.872	✓
			IC10	44.63	10.81	n/a	2.241	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits			Decision
				Lower	Upper	Overlap	
00-3139-5123	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
14-2990-4533	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
07-9639-3459	Reproduction	Control Resp	33.1	15	>>	Yes	Passes Acceptability Criteria
10-2424-9105	Reproduction	Control Resp	33.1	15	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
25		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	33.1	25.66	40.54	13	48	3.288	10.4	31.41%	0.00%
6.25		10	37.2	29.26	45.14	23	55	3.511	11.1	29.85%	-12.39%
12.5		10	37.2	28.36	46.04	9	47	3.907	12.35	33.21%	-12.39%
25		10	36.2	27.08	45.32	19	57	4.033	12.75	35.23%	-9.37%
50		10	24.8	17.73	31.87	5	41	3.126	9.886	39.86%	25.08%
100		10	37.9	32.05	43.75	23	49	2.588	8.185	21.60%	-14.50%

CETIS Summary Report

Report Date: 02 Dec-16 15:17 (p 2 of 2)

Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	48	31	13	41	41	22	36	34	26	39
6.25		46	38	27	26	43	23	40	55	48	26
12.5		43	46	29	25	43	47	41	9	44	45
25		34	38	35	40	19	21	22	48	48	57
50		41	22	26	26	5	28	24	16	24	36
100		26	23	41	41	33	45	42	40	39	49

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 1 of 2)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-2424-9105	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:14	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 02-0625-1802	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:10	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-5076-3879	Code: VCF1016.353	Client: VCWPD
Sample Date: 28 Oct-16 07:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 7h	Station: MO-VEN	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	33.68%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-0.842	2.289	11.15	18	CDF	0.9754	Non-Significant Effect
		12.5	-0.842	2.289	11.15	18	CDF	0.9754	Non-Significant Effect
		25	-0.6366	2.289	11.15	18	CDF	0.9576	Non-Significant Effect
		50	1.704	2.289	11.15	18	CDF	0.1562	Non-Significant Effect
		100	-0.9857	2.289	11.15	18	CDF	0.9836	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	33.1	15	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1250.2	250.04	5	2.109	0.0783	Non-Significant Effect
Error	6402.2	118.559	54			
Total	7652.4		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.146	15.09	0.8286	Equal Variances
Variances	Levene Equality of Variance Test	0.6609	3.377	0.6546	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.4493	3.377	0.8119	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.865	3.878	0.0263	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.1373	2.576	0.8908	Normal Distribution
Distribution	D'Agostino Skewness Test	1.588	2.576	0.1123	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	2.541	9.21	0.2807	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1306	0.1331	0.0126	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9691	0.9459	0.1323	Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	10	33.1	25.66	40.54	35	13	48	3.288	31.41%	0.00%
6.25		10	37.2	29.26	45.14	39	23	55	3.511	29.85%	-12.39%
12.5		10	37.2	28.36	46.04	43	9	47	3.907	33.21%	-12.39%
25		10	36.2	27.08	45.32	36.5	19	57	4.033	35.23%	-9.37%
50		10	24.8	17.73	31.87	25	5	41	3.126	39.86%	25.08%
100		10	37.9	32.05	43.75	40.5	23	49	2.588	21.60%	-14.50%

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-2424-9105
Analyzed: 02 Dec-16 15:14

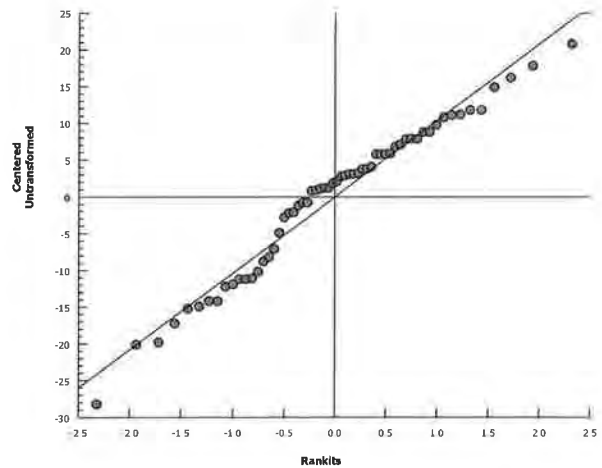
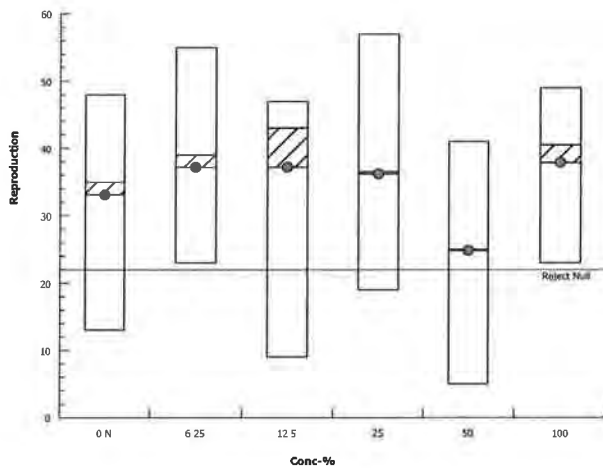
Endpoint: Reproduction
Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	48	31	13	41	41	22	36	34	26	39
6.25		46	38	27	26	43	23	40	55	48	26
12.5		43	46	29	25	43	47	41	9	44	45
25		34	38	35	40	19	21	22	48	48	57
50		41	22	26	26	5	28	24	16	24	36
100		26	23	41	41	33	45	42	40	39	49

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 1 of 4)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 14-2990-4533	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:14	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 02-0625-1802	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:10	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-5076-3879	Code: VCF1016.353	Client: VCWPD
Sample Date: 28 Oct-16 07:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 7h	Station: MO-VEN	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits		Overlap	Decision
		Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
6.25		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
12.5		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
25		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
50		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
100		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

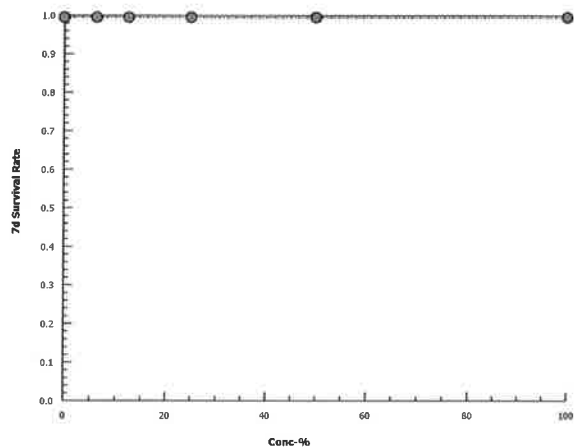
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 2 of 4)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test		Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 14-2990-4533	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2	
Analyzed: 02 Dec-16 15:14	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes	

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 3 of 4)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-9639-3459	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:14	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 02-0625-1802	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:10	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-5076-3879	Code: VCF1016.353	Client: VCWPD
Sample Date: 28 Oct-16 07:55	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report	
Sample Age: 7h	Station: MO-VEN	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	596589	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	33.1	15	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	34.82	4.077	n/a	2.872	n/a	24.53
IC10	44.63	10.81	n/a	2.241	n/a	9.253
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Reproduction Summary

			Calculated Variate						
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	33.1	13	48	3.288	10.4	31.41%	0.0%
6.25		10	37.2	23	55	3.511	11.1	29.85%	-12.39%
12.5		10	37.2	9	47	3.907	12.35	33.21%	-12.39%
25		10	36.2	19	57	4.033	12.75	35.23%	-9.37%
50		10	24.8	5	41	3.126	9.886	39.86%	25.08%
100		10	37.9	23	49	2.588	8.185	21.60%	-14.5%

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	48	31	13	41	41	22	36	34	26	39
6.25		46	38	27	26	43	23	40	55	48	26
12.5		43	46	29	25	43	47	41	9	44	45
25		34	38	35	40	19	21	22	48	48	57
50		41	22	26	26	5	28	24	16	24	36
100		26	23	41	41	33	45	42	40	39	49

CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 4 of 4)
Test Code: VCF1016.353c | 13-4379-3910

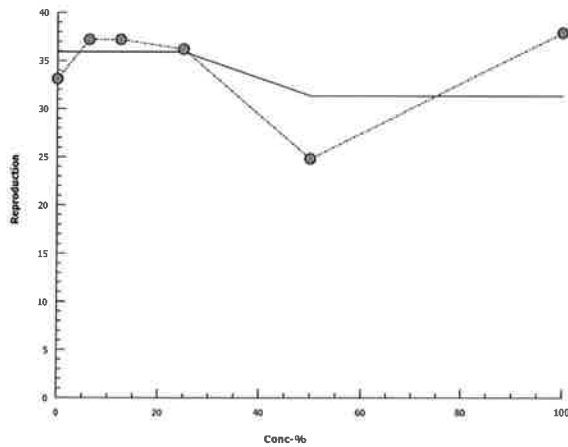
Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-9639-3459 Endpoint: Reproduction
Analyzed: 02 Dec-16 15:14 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 1 of 2)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 00-3139-5123	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2		Official Results: Yes	
Analyzed: 02 Dec-16 15:14	Analysis: STP 2xK Contingency Tables				
Batch ID: 02-0625-1802	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas			
Start Date: 28 Oct-16 15:10	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 04 Nov-16 14:15	Species: Ceriodaphnia dubia	Brine: Not Applicable			
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 16-5076-3879	Code: VCF1016.353	Client: VCWPD			
Sample Date: 28 Oct-16 07:55	Material: Sample Water	Project: 2016/17-1 (Wet)			
Receipt Date: 28 Oct-16 10:05	Source: Bioassay Report				
Sample Age: 7h	Station: MO-VEN				

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU
Untransformed	C > T	100	> 100	n/a	1

Fisher Exact/Bonferroni-Holm Test

Control	vs	Group	Test Stat	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	1.0000	Exact	1.0000	Non-Significant Effect
		12.5	1.0000	Exact	1.0000	Non-Significant Effect
		25	1.0000	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100	1.0000	Exact	1.0000	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Data Summary

Conc-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	N	10	0	10	1	0	0.0%
6.25		10	0	10	1	0	0.0%
12.5		10	0	10	1	0	0.0%
25		10	0	10	1	0	0.0%
50		10	0	10	1	0	0.0%
100		10	0	10	1	0	0.0%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

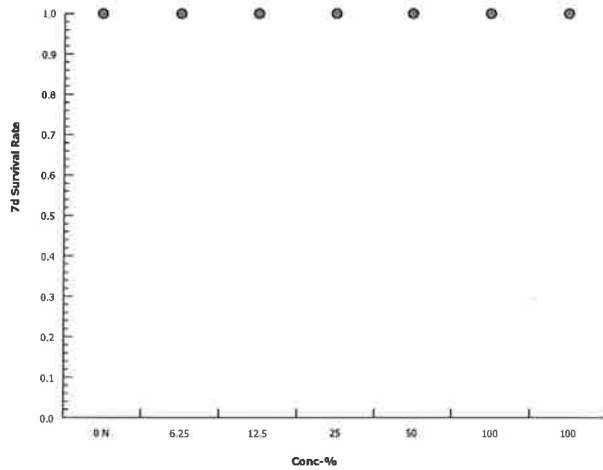
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:15 (p 2 of 2)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test			Aquatic Bioassay & Consulting Labs, Inc.
Analysis ID: 00-3139-5123	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2	
Analyzed: 02 Dec-16 15:14	Analysis: STP 2xK Contingency Tables	Official Results: Yes	

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 15:15 (p 1 of 2)

Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 02-0625-1802 Test Type: Reproduction-Survival (7d)
Start Date: 28 Oct-16 15:10 Protocol: EPA/821/R-02-013 (2002)
Ending Date: 04 Nov-16 14:15 Species: Ceriodaphnia dubia
Duration: 6d 23h Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 16-5076-3879 Code: VCF1016.353
Sample Date: 28 Oct-16 07:55 Material: Sample Water
Receipt Date: 28 Oct-16 10:05 Source: Bioassay Report
Sample Age: 7h Station: MO-VEN

Client: VCWPD
Project: 2016/17-1 (Wet)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	63			63	63	0	0	0.0%	0
Overall		9	62.33	61	63.66	61	65	0.5774	1.732	2.78%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	334.6	324.8	344.5	321	359	4.174	11.81	3.53%	0
12.5		8	330.4	326.8	334	326	340	1.523	4.307	1.3%	0
25		8	336.5	330.3	342.7	326	350	2.632	7.445	2.21%	0
50		8	366.1	337.1	395.1	327	446	12.27	34.7	9.48%	0
100		8	447.6	306.4	588.9	325	860	59.73	168.9	37.74%	0
Overall		48	357.4	334.4	380.5	319	860	11.45	79.35	22.20%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.863	7.525	8.2	7.3	8.6	0.1426	0.4033	5.13%	0
6.25		8	7.388	7.093	7.682	6.8	7.8	0.1246	0.3523	4.77%	0
12.5		8	7.237	6.883	7.592	6.7	7.7	0.1499	0.4241	5.86%	0
25		8	6.6	5.877	7.323	4.8	7.6	0.3059	0.8652	13.11%	0
50		8	6.25	5.342	7.158	4.1	7.6	0.3841	1.086	17.38%	0
100		8	5.188	4.246	6.129	4.1	7.4	0.398	1.126	21.7%	0
Overall		48	6.754	6.42	7.089	4.1	8.6	0.1663	1.152	17.06%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		1	121			121	121	0	0	0.0%	0
Overall		9	93.22	84.39	102.1	86	121	3.829	11.49	12.32%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.8	7.633	7.967	7.5	8	0.07071	0.2	2.56%	0
6.25		8	7.925	7.765	8.085	7.6	8.2	0.06748	0.1909	2.41%	0
12.5		8	7.825	7.678	7.972	7.6	8.1	0.06196	0.1753	2.24%	0
25		8	7.75	7.609	7.891	7.5	8	0.05976	0.169	2.18%	0
50		8	7.65	7.436	7.864	7.3	8.2	0.09063	0.2563	3.35%	0
100		8	7.387	7.167	7.608	7.1	7.8	0.09342	0.2642	3.58%	0
Overall		48	7.723	7.646	7.8	7.1	8.2	0.03827	0.2652	3.43%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 15:15 (p 2 of 2)
Test Code: VCF1016.353c | 13-4379-3910

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.22	23.69	24.76	24	25.8	0.225	0.6364	2.63%	0
6.25		8	24.24	23.68	24.8	24	25.9	0.2375	0.6718	2.77%	0
12.5		8	24.14	23.84	24.43	24	25	0.1238	0.3503	1.45%	0
25		8	24.12	23.86	24.39	24	24.9	0.1114	0.3151	1.31%	0
50		8	24.16	23.81	24.51	24	25.2	0.1487	0.4207	1.74%	0
100		8	24.19	23.9	24.48	24	25	0.1231	0.3482	1.44%	0
Overall		48	24.18	24.05	24.31	24	25.9	0.06564	0.4547	1.88%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		63							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		336	321	324	332	331	332	342	359
12.5		329	326	328	328	329	331	332	340
25		328	336	335	326	338	339	340	350
50		327	352	352	446	358	361	363	370
100		325	384	387	860	399	404	408	414

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.3	7.6	7.9	7.9	8.6	8	7.5	8.1
6.25		7.6	7.6	7.7	7.8	6.8	7.3	7	7.3
12.5		7.6	7.6	7.7	7.6	6.8	6.7	7	6.9
25		7.2	4.8	6.7	7.6	7.3	6.5	6.4	6.3
50		7.6	4.1	5.7	7.3	6.4	6.1	6.8	6
100		7.4	5.9	4.1	5.6	4.5	4.2	4.4	5.4

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		121							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.5	7.8	7.5	8
6.25		7.7	8	7.6	7.9	8	8	8	8.2
12.5		7.7	7.9	7.9	7.6	7.9	7.6	7.9	8.1
25		7.7	7.9	7.6	7.7	7.5	8	7.9	7.7
50		8.2	7.7	7.3	7.5	7.6	7.6	7.7	7.6
100		7.8	7.5	7.1	7.1	7.2	7.3	7.7	7.4

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	25.8	24	24	24	24	24
6.25		24	24	25.9	24	24	24	24	24
12.5		24	24	25	24	24	24.1	24	24
25		24	24.1	24	24	24.9	24	24	24
50		24.1	24	24	24	24	25.2	24	24
100		24	24	25	24	24	24.2	24	24.3

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-THO
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.356

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 15:32 (p 1 of 2)
Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 09-2817-1817	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:27	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 07-6762-5136	Code: VCF1016.356	Client: VCWPD
Sample Date: 28 Oct-16 10:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 5h	Station: MO-THO	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
19-5439-5624	7d Survival Rate	Fisher Exact/Bonferroni-Holm Test	100	> 100	n/a	1	n/a	
01-8139-4964	Reproduction	Dunnett Multiple Comparison Test	100	> 100	n/a	1	36.2%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
02-7699-0054	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	21.88	16.25	n/a	4.571	✓
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
14-7729-5804	Reproduction	Linear Interpolation (ICPIN)	IC5	>100	n/a	n/a	<1	
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits			Decision
				Lower	Upper	Overlap	
02-7699-0054	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
19-5439-5624	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
01-8139-4964	Reproduction	Control Resp	28.3	15	>>	Yes	Passes Acceptability Criteria
14-7729-5804	Reproduction	Control Resp	28.3	15	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
25		10	0.8000	0.4984	1.0000	0.0000	1.0000	0.1333	0.4216	52.70%	20.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	28.3	22.38	34.22	12	37	2.616	8.274	29.24%	0.00%
6.25		10	35	27.3	42.7	21	55	3.406	10.77	30.77%	-23.67%
12.5		10	29.8	23.64	35.96	21	47	2.724	8.613	28.90%	-5.30%
25		10	36.5	26.17	46.83	8	51	4.569	14.45	39.58%	-28.98%
50		10	39.1	33.65	44.55	27	50	2.41	7.622	19.49%	-38.16%
100		10	39.5	33.28	45.72	21	48	2.75	8.695	22.01%	-39.58%

CETIS Summary Report

Report Date: 02 Dec-16 15:32 (p 2 of 2)

Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	35	12	33	26	35	20	30	34	37	21
6.25		25	30	28	55	21	48	37	29	34	43
12.5		43	21	26	28	30	27	22	30	47	24
25		47	29	41	45	21	51	27	49	47	8
50		39	40	36	35	31	49	27	47	37	50
100		43	43	46	48	42	21	36	28	42	46

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 1 of 2)
Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 01-8139-4964	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:30	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 09-2817-1817	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:27	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 07-6762-5136	Code: VCF1016.356	Client: VCWPD
Sample Date: 28 Oct-16 10:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 5h	Station: MO-THO	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	36.21%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-1.497	2.289	10.25	18	CDF	0.9968	Non-Significant Effect
		12.5	-0.3351	2.289	10.25	18	CDF	0.9141	Non-Significant Effect
		25	-1.832	2.289	10.25	18	CDF	0.9990	Non-Significant Effect
		50	-2.413	2.289	10.25	18	CDF	0.9999	Non-Significant Effect
		100	-2.502	2.289	10.25	18	CDF	0.9999	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	28.3	15	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1107	221.4	5	2.21	0.0665	Non-Significant Effect
Error	5409.6	100.178	54			
Total	6516.6		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	5.406	15.09	0.3683	Equal Variances
Variances	Levene Equality of Variance Test	1.993	3.377	0.0943	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.9614	3.377	0.4497	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.2009	3.878	0.9253	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.485	2.576	0.6277	Normal Distribution
Distribution	D'Agostino Skewness Test	1.187	2.576	0.2353	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.644	9.21	0.4397	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.06804	0.1331	0.6761	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9878	0.9459	0.8102	Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	10	28.3	22.38	34.22	31.5	12	37	2.616	29.24%	0.00%
6.25		10	35	27.3	42.7	32	21	55	3.406	30.77%	-23.67%
12.5		10	29.8	23.64	35.96	27.5	21	47	2.724	28.90%	-5.30%
25		10	36.5	26.17	46.83	43	8	51	4.569	39.58%	-28.98%
50		10	39.1	33.65	44.55	38	27	50	2.41	19.49%	-38.16%
100		10	39.5	33.28	45.72	42.5	21	48	2.75	22.01%	-39.58%

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

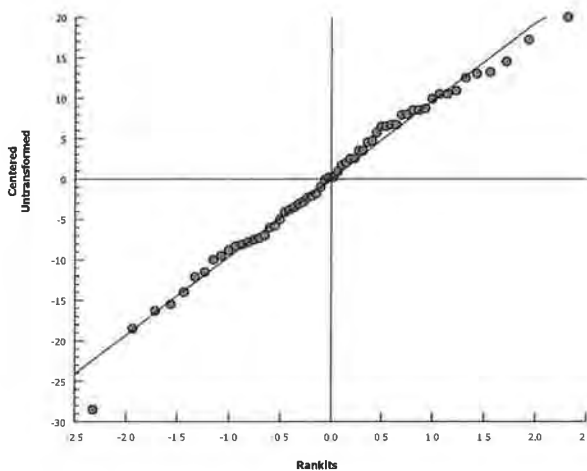
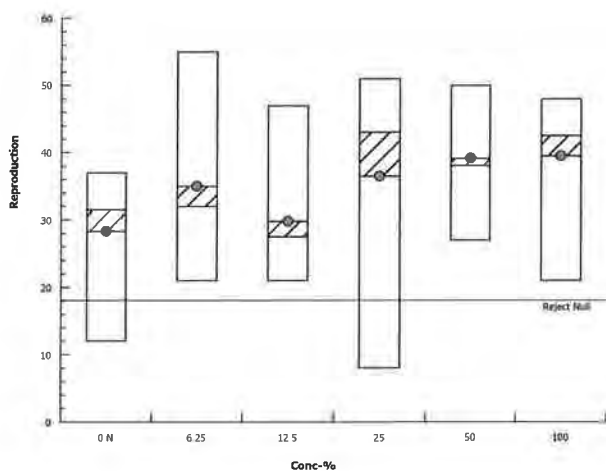
Analysis ID: 01-8139-4964 Endpoint: Reproduction
 Analyzed: 02 Dec-16 15:30 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
 Official Results: Yes

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	35	12	33	26	35	20	30	34	37	21
6.25		25	30	28	55	21	48	37	29	34	43
12.5		43	21	26	28	30	27	22	30	47	24
25		47	29	41	45	21	51	27	49	47	8
50		39	40	36	35	31	49	27	47	37	50
100		43	43	46	48	42	21	36	28	42	46

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 1 of 4)
Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-7699-0054	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:30	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 09-2817-1817	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:27	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 07-6762-5136	Code: VCF1016.356	Client: VCWPD
Sample Date: 28 Oct-16 10:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 5h	Station: MO-THO	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	21.88	16.25	n/a	4.571	n/a	6.154
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
6.25		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
12.5		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
25		10	0.8000	0.0000	1.0000	0.1333	0.4216	52.70%	20.0%	8	10
50		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
100		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 2 of 4)

Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-7699-0054

Endpoint: 7d Survival Rate

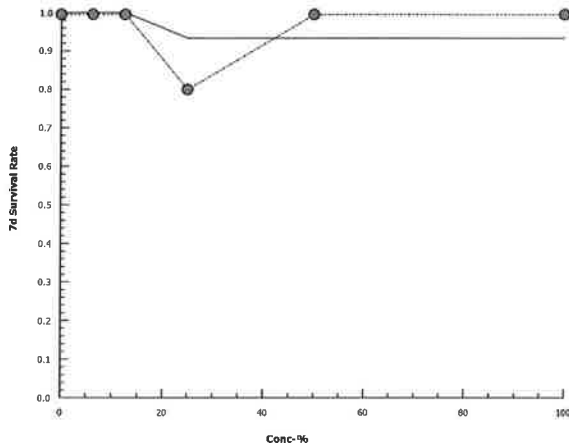
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 15:30

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 3 of 4)
Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 14-7729-5804	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:30	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 09-2817-1817	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:27	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 07-6762-5136	Code: VCF1016.356	Client: VCWPD
Sample Date: 28 Oct-16 10:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 5h	Station: MO-THO	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	28.3	15	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	n/a	n/a	<1	n/a	n/a
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Reproduction Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	28.3	12	37	2.616	8.274	29.24%	0.0%
6.25		10	35	21	55	3.406	10.77	30.77%	-23.67%
12.5		10	29.8	21	47	2.724	8.613	28.90%	-5.3%
25		10	36.5	8	51	4.569	14.45	39.58%	-28.98%
50		10	39.1	27	50	2.41	7.622	19.49%	-38.16%
100		10	39.5	21	48	2.75	8.695	22.01%	-39.58%

Reproduction Detail

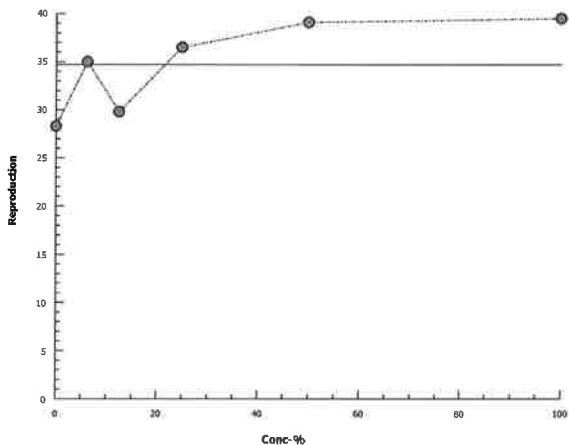
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	35	12	33	26	35	20	30	34	37	21
6.25		25	30	28	55	21	48	37	29	34	43
12.5		43	21	26	28	30	27	22	30	47	24
25		47	29	41	45	21	51	27	49	47	8
50		39	40	36	35	31	49	27	47	37	50
100		43	43	46	48	42	21	36	28	42	46

CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 4 of 4)
Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test			Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	14-7729-5804	Endpoint:	Reproduction	CETIS Version: CETISv1.9.2
Analyzed:	02 Dec-16 15:30	Analysis:	Linear Interpolation (ICPIN)	Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 1 of 2)

Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-5439-5624	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:30	Analysis: STP 2xK Contingency Tables	Official Results: Yes
Batch ID: 09-2817-1817	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:27	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 07-6762-5136	Code: VCF1016.356	Client: VCWPD
Sample Date: 28 Oct-16 10:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 5h	Station: MO-THO	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU
Untransformed	C > T	100	> 100	n/a	1

Fisher Exact/Bonferroni-Holm Test

Control	vs	Group	Test Stat	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	1.0000	Exact	1.0000	Non-Significant Effect
		12.5	1.0000	Exact	1.0000	Non-Significant Effect
		25	0.2368	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100	1.0000	Exact	1.0000	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Data Summary

Conc-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	N	10	0	10	1	0	0.0%
6.25		10	0	10	1	0	0.0%
12.5		10	0	10	1	0	0.0%
25		8	2	10	0.8	0.2	20.0%
50		10	0	10	1	0	0.0%
100		10	0	10	1	0	0.0%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:31 (p 2 of 2)
Test Code: VCF1016.356c | 11-3451-9751

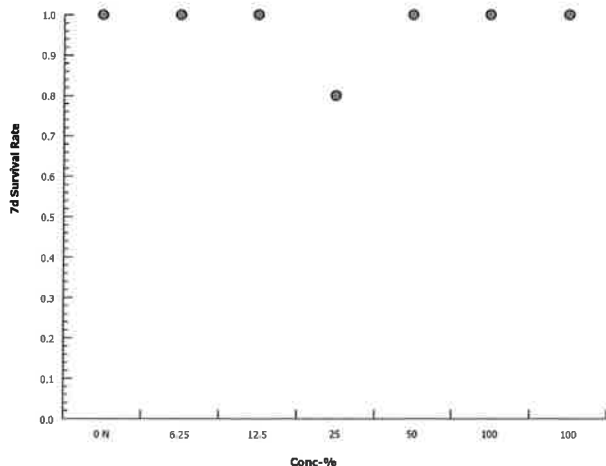
Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-5439-5624 Endpoint: 7d Survival Rate
Analyzed: 02 Dec-16 15:30 Analysis: STP 2xK Contingency Tables

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 02 Dec-16 15:31 (p 1 of 2)

Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.	
Batch ID:	09-2817-1817	Test Type:	Reproduction-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 15:27	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	04 Nov-16 14:30	Species:	Ceriodaphnia dubia	Brine:	Not Applicable
Duration:	6d 23h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	07-6762-5136	Code:	VCF1016.356	Client:	VCWPD
Sample Date:	28 Oct-16 10:10	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 12:10	Source:	Bioassay Report		
Sample Age:	5h	Station:	MO-THO		

Alkalinity (CaCO3)-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	383			383	383	0	0	0.0%	0
Overall		9	97.89	15.69	180.1	61	383	35.64	106.9	109.20%	0 (0%)

Conductivity-µmhos											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	453	436.7	469.3	441	499	6.889	19.49	4.3%	0
12.5		8	575.5	552.5	598.5	559	643	9.723	27.5	4.78%	0
25		8	828.1	822	834.2	817	841	2.587	7.318	0.88%	0
50		8	1306	1292	1319	1282	1332	5.58	15.78	1.21%	0
100		8	2216	2191	2241	2149	2247	10.54	29.82	1.35%	0
Overall		48	951.3	761.2	1141	319	2247	94.53	654.9	68.84%	0 (0%)

Dissolved Oxygen-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.7	7.351	8.049	7	8.5	0.1476	0.4175	5.42%	0
6.25		8	7.425	7.181	7.669	7	7.7	0.1031	0.2915	3.93%	0
12.5		8	7.412	7.174	7.651	7.1	7.8	0.1008	0.285	3.85%	0
25		8	7.463	7.191	7.734	7	7.9	0.1149	0.3249	4.35%	0
50		8	7.275	6.856	7.694	6.4	7.8	0.177	0.5007	6.88%	0
100		8	6.725	6.061	7.389	4.9	7.5	0.2808	0.7942	11.81%	0
Overall		48	7.333	7.177	7.49	4.9	8.5	0.07766	0.5381	7.34%	0 (0%)

Hardness (CaCO3)-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	91	86.53	95.47	86	96	1.89	5.345	5.87%	0
100		1	235			235	235	0	0	0.0%	0
Overall		9	107	69.9	144.1	86	235	16.09	48.26	45.10%	0 (0%)

pH-Units											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.838	7.601	8.074	7.5	8.3	0.09989	0.2825	3.61%	0
6.25		8	7.675	7.492	7.858	7.4	8	0.07734	0.2188	2.85%	0
12.5		8	7.675	7.515	7.835	7.5	7.9	0.06748	0.1909	2.49%	0
25		8	7.65	7.483	7.817	7.5	8	0.07071	0.2	2.61%	0
50		8	7.737	7.59	7.885	7.5	8	0.0625	0.1768	2.29%	0
100		8	7.712	7.51	7.915	7.5	8	0.08543	0.2416	3.13%	0
Overall		48	7.715	7.651	7.778	7.4	8.3	0.03151	0.2183	2.83%	0 (0%)

CETIS Measurement Report

Report Date: 02 Dec-16 15:31 (p 2 of 2)

Test Code: VCF1016.356c | 11-3451-9751

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.19	23.74	24.63	24	25.5	0.1875	0.5303	2.19%	0
6.25		8	24.19	23.74	24.63	24	25.5	0.1875	0.5303	2.19%	0
12.5		8	24.12	23.83	24.42	24	25	0.125	0.3536	1.47%	0
25		8	24.1	23.86	24.34	24	24.8	0.1	0.2828	1.17%	0
50		8	24.1	23.86	24.34	24	24.8	0.1	0.2828	1.17%	0
100		8	24.1	23.86	24.34	24	24.8	0.1	0.2828	1.17%	0
Overall		48	24.13	24.02	24.24	24	25.5	0.05395	0.3738	1.55%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		383							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		444	442	441	453	499	441	447	457
12.5		643	568	563	566	569	559	570	566
25		831	828	833	829	823	817	823	841
50		1308	1294	1320	1299	1312	1282	1298	1332
100		2229	2217	2230	2204	2227	2149	2228	2247

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	8.5	7.8	7.8	7	7.5
6.25		7.6	7.7	7.7	7.5	7	7.3	7.6	7
12.5		7.4	7.5	7.6	7.7	7.8	7.1	7.1	7.1
25		7.3	7.5	7.7	7.1	7.4	7.9	7.8	7
50		7.5	7.5	7.3	7.5	7.6	6.6	6.4	7.8
100		6.8	7.2	7.1	6.5	6.9	7.5	4.9	6.9

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	96	96	86	86	86	86	96
100		235							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	8.3	8.1	7.8	7.7	7.5	7.8	7.5
6.25		8	8	7.6	7.7	7.6	7.4	7.5	7.6
12.5		7.5	7.9	7.5	7.9	7.9	7.5	7.6	7.6
25		8	7.9	7.5	7.5	7.5	7.5	7.6	7.7
50		8	7.9	7.9	7.7	7.7	7.5	7.6	7.6
100		8	8	7.5	7.5	7.6	7.5	7.6	8

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	25.5	24	24	24	24	24	24
6.25		24	25.5	24	24	24	24	24	24
12.5		24	24	25	24	24	24	24	24
25		24	24.8	24	24	24	24	24	24
50		24	24.8	24	24	24	24	24	24
100		24	24.8	24	24	24	24	24	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. Results were as follows:

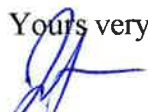
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-SIM
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.358

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


v Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 15:43 (p 1 of 2)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 18-9751-6973	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:42	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:50	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 05-6824-5735	Code: VCF1016.358	Client: VCWPD
Sample Date: 28 Oct-16 09:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 7h	Station: MO-SIM	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
21-0084-7307	7d Survival Rate	Fisher Exact/Bonferroni-Holm Test	100	> 100	n/a	1	n/a	
19-4416-0542	Reproduction	Dunnett Multiple Comparison Test	100	> 100	n/a	1	45.4%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
11-6865-9956	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	5.208	2.232	n/a	19.2	✓
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
07-0048-3056	Reproduction	Linear Interpolation (ICPIN)	IC5	>100	n/a	n/a	<1	
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits			Decision
				Lower	Upper	Overlap	
11-6865-9956	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
21-0084-7307	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
07-0048-3056	Reproduction	Control Resp	28.1	15	>>	Yes	Passes Acceptability Criteria
19-4416-0542	Reproduction	Control Resp	28.1	15	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		10	0.9000	0.6738	1.0000	0.0000	1.0000	0.1000	0.3162	35.14%	10.00%
12.5		10	0.8000	0.4984	1.0000	0.0000	1.0000	0.1333	0.4216	52.70%	20.00%
25		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	28.1	19.52	36.68	7	41	3.793	11.99	42.69%	0.00%
6.25		10	26.7	16	37.4	0	52	4.731	14.96	56.03%	4.98%
12.5		10	21	10.49	31.51	0	49	4.645	14.69	69.95%	25.27%
25		10	41.9	34.94	48.86	21	54	3.075	9.723	23.21%	-49.11%
50		10	33.9	25.39	42.41	16	54	3.764	11.9	35.11%	-20.64%
100		10	35.6	28.09	43.11	18	49	3.321	10.5	29.50%	-26.69%

CETIS Summary Report

Report Date: 02 Dec-16 15:43 (p 2 of 2)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		0.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	39	38	26	36	33	9	7	27	25	41
6.25		0	24	22	41	16	52	18	25	27	42
12.5		0	21	10	34	8	13	49	33	16	26
25		39	43	47	48	53	42	35	21	37	54
50		28	16	37	46	43	26	40	54	24	25
100		43	49	34	31	28	23	18	45	46	39

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		0/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 1 of 2)
Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 19-4416-0542	Endpoint: Reproduction	CETIS Version: CETISv1.9.2					
Analyzed: 02 Dec-16 15:40	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 18-9751-6973	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas					
Start Date: 28 Oct-16 15:42	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 04 Nov-16 14:50	Species: Ceriodaphnia dubia	Brine: Not Applicable					
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 05-6824-5735	Code: VCF1016.358	Client: VCWPD					
Sample Date: 28 Oct-16 09:10	Material: Sample Water	Project: 2016/17-1 (Wet)					
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report						
Sample Age: 7h	Station: MO-SIM						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	45.36%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	0.2515	2.289	12.75	18	CDF	0.7481	Non-Significant Effect
		12.5	1.275	2.289	12.75	18	CDF	0.2991	Non-Significant Effect
		25	-2.479	2.289	12.75	18	CDF	0.9999	Non-Significant Effect
		50	-1.042	2.289	12.75	18	CDF	0.9861	Non-Significant Effect
		100	-1.347	2.289	12.75	18	CDF	0.9947	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	28.1	15	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2750.4	550.08	5	3.549	0.0076	Significant Effect
Error	8369.2	154.985	54			
Total	11119.6		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.594	15.09	0.7623	Equal Variances
Variances	Levene Equality of Variance Test	0.5396	3.377	0.7454	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.4643	3.377	0.8011	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.2864	3.878	0.6533	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.4016	2.576	0.6880	Normal Distribution
Distribution	D'Agostino Skewness Test	0.1281	2.576	0.8981	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	0.1777	9.21	0.9150	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.06092	0.1331	0.8556	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9869	0.9459	0.7657	Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	10	28.1	19.52	36.68	30	7	41	3.793	42.69%	0.00%
6.25		10	26.7	16	37.4	24.5	0	52	4.731	56.03%	4.98%
12.5		10	21	10.49	31.51	18.5	0	49	4.645	69.95%	25.27%
25		10	41.9	34.94	48.86	42.5	21	54	3.075	23.21%	-49.11%
50		10	33.9	25.39	42.41	32.5	16	54	3.764	35.11%	-20.64%
100		10	35.6	28.09	43.11	36.5	18	49	3.321	29.50%	-26.69%

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

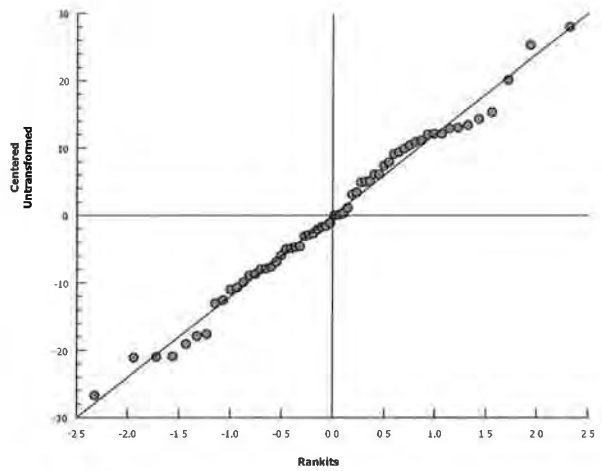
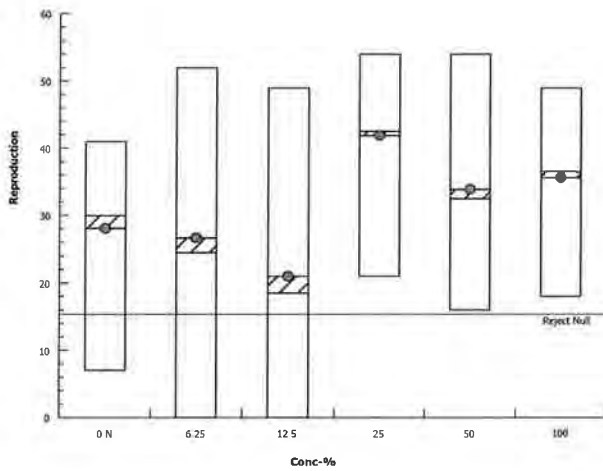
Analysis ID: 19-4416-0542 Endpoint: Reproduction
 Analyzed: 02 Dec-16 15:40 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
 Official Results: Yes

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	39	38	26	36	33	9	7	27	25	41
6.25		0	24	22	41	16	52	18	25	27	42
12.5		0	21	10	34	8	13	49	33	16	26
25		39	43	47	48	53	42	35	21	37	54
50		28	16	37	46	43	26	40	54	24	25
100		43	49	34	31	28	23	18	45	46	39

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 1 of 4)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 11-6865-9956	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:40	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 18-9751-6973	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:42	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:50	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 05-6824-5735	Code: VCF1016.358	Client: VCWPD
Sample Date: 28 Oct-16 09:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 7h	Station: MO-SIM	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	5.208	2.232	n/a	19.2	n/a	44.8
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

		Calculated Variate(A/B)									
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
6.25		10	0.9000	0.0000	1.0000	0.1000	0.3162	35.14%	10.0%	9	10
12.5		10	0.8000	0.0000	1.0000	0.1333	0.4216	52.70%	20.0%	8	10
25		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
50		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
100		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		0.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		0/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 2 of 4)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 11-6865-9956

Endpoint: 7d Survival Rate

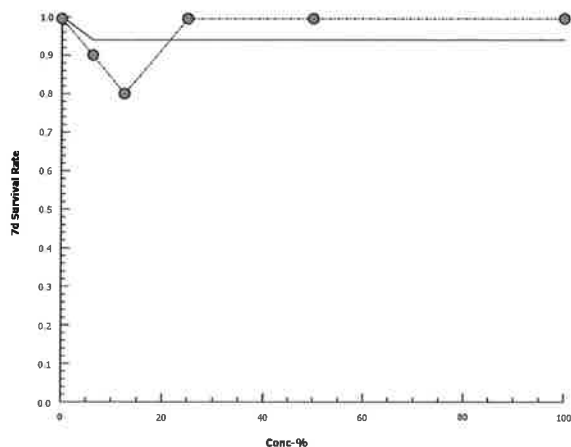
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 15:40

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 3 of 4)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-0048-3056	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:40	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 18-9751-6973	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:42	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:50	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 05-6824-5735	Code: VCF1016.358	Client: VCWPD
Sample Date: 28 Oct-16 09:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 7h	Station: MO-SIM	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	28.1	15	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	n/a	n/a	<1	n/a	n/a
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Reproduction Summary

			Calculated Variate						
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	28.1	7	41	3.793	11.99	42.69%	0.0%
6.25		10	26.7	0	52	4.731	14.96	56.03%	4.98%
12.5		10	21	0	49	4.645	14.69	69.95%	25.27%
25		10	41.9	21	54	3.075	9.723	23.21%	-49.11%
50		10	33.9	16	54	3.764	11.9	35.11%	-20.64%
100		10	35.6	18	49	3.321	10.5	29.50%	-26.69%

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	39	38	26	36	33	9	7	27	25	41
6.25		0	24	22	41	16	52	18	25	27	42
12.5		0	21	10	34	8	13	49	33	16	26
25		39	43	47	48	53	42	35	21	37	54
50		28	16	37	46	43	26	40	54	24	25
100		43	49	34	31	28	23	18	45	46	39

CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 4 of 4)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-0048-3056

Endpoint: Reproduction

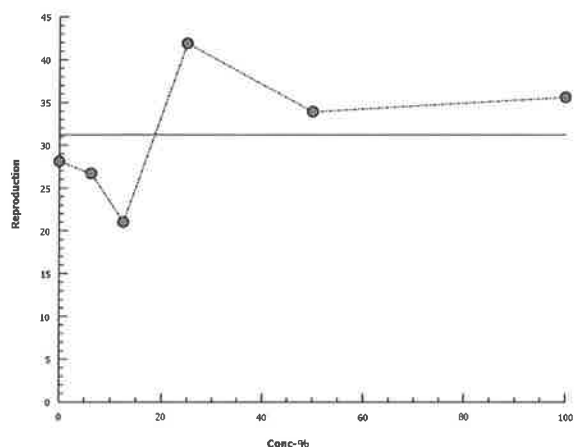
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 15:40

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 1 of 2)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 21-0084-7307	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:40	Analysis: STP 2xK Contingency Tables	Official Results: Yes
Batch ID: 18-9751-6973	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 15:42	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 14:50	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 05-6824-5735	Code: VCF1016.358	Client: VCWPD
Sample Date: 28 Oct-16 09:10	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 7h	Station: MO-SIM	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU
Untransformed	C > T	100	> 100	n/a	1

Fisher Exact/Bonferroni-Holm Test

Control	vs	Group	Test Stat	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	0.5000	Exact	1.0000	Non-Significant Effect
		12.5	0.2368	Exact	1.0000	Non-Significant Effect
		25	1.0000	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100	1.0000	Exact	1.0000	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Data Summary

Conc.-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	N	10	0	10	1	0	0.0%
6.25		9	1	10	0.9	0.1	10.0%
12.5		8	2	10	0.8	0.2	20.0%
25		10	0	10	1	0	0.0%
50		10	0	10	1	0	0.0%
100		10	0	10	1	0	0.0%

7d Survival Rate Detail

Conc.-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		0.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc.-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		0/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:41 (p 2 of 2)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 21-0084-7307

Endpoint: 7d Survival Rate

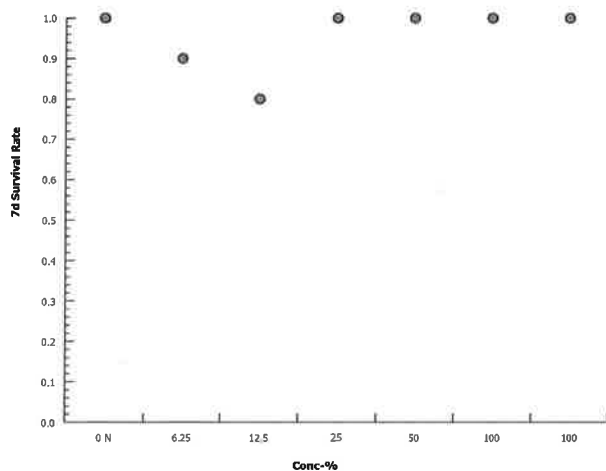
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 15:40

Analysis: STP 2xK Contingency Tables

Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 06 Dec-16 15:48 (p 1 of 2)
Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 18-9751-6973
Start Date: 28 Oct-16 15:42
Ending Date: 04 Nov-16 14:50
Duration: 6d 23h
Test Type: Reproduction-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Ceriodaphnia dubia
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 05-6824-5735
Sample Date: 28 Oct-16 09:10
Receipt Date: 28 Oct-16 12:10
Sample Age: 7h
Code: VCF1016.358
Material: Sample Water
Source: Bioassay Report
Station: MO-SIM

Client: VCWPD
Project: 2016/17-1 (Wet)

Alkalinity (CaCO₃)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	75			75	75	0	0	0.0%	0
Overall		9	63.67	60.14	67.19	61	75	1.528	4.583	7.20%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	385.2	366.6	403.9	361	428	7.892	22.32	5.79%	0
12.5		8	372.2	366	378.5	360	385	2.664	7.536	2.02%	0
25		8	421.6	415.5	427.8	415	436	2.598	7.347	1.74%	0
50		8	481.5	391.8	571.2	217	536	37.95	107.3	22.29%	0
100		8	708.8	700.5	717	694	725	3.468	9.809	1.38%	0
Overall		48	449.8	411.1	488.5	217	725	19.24	133.3	29.63%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	7.388	7.096	7.679	6.9	7.8	0.1231	0.3482	4.71%	0
12.5		8	7.4	7.1	7.7	7	7.8	0.1268	0.3586	4.85%	0
25		8	7.05	6.621	7.479	6.3	7.8	0.1813	0.5127	7.27%	0
50		8	6.6	5.655	7.545	4.4	8	0.3996	1.13	17.12%	0
100		8	6.263	5.147	7.378	4.1	8.6	0.4717	1.334	21.3%	0
Overall		48	7.073	6.814	7.332	4.1	8.6	0.1289	0.8932	12.63%	0 (0%)

Hardness (CaCO₃)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		1	213			213	213	0	0	0.0%	0
Overall		9	103.4	71.65	135.2	86	213	13.79	41.37	39.99%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.863	7.722	8.003	7.5	8	0.05957	0.1685	2.14%	0
6.25		8	8.212	8.13	8.295	8.1	8.4	0.03504	0.0991	1.21%	0
12.5		8	8.075	7.898	8.252	7.8	8.4	0.075	0.2121	2.63%	0
25		8	7.95	7.841	8.059	7.7	8.1	0.04629	0.1309	1.65%	0
50		8	7.8	7.633	7.967	7.4	8	0.07071	0.2	2.56%	0
100		8	7.55	7.395	7.705	7.2	7.8	0.06547	0.1852	2.45%	0
Overall		48	7.908	7.831	7.986	7.2	8.4	0.03846	0.2664	3.37%	0 (0%)

CETIS Measurement Report

Report Date: 06 Dec-16 15:48 (p 2 of 2)

Test Code: VCF1016.358c | 12-2877-3973

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.29	23.82	24.76	24	25.5	0.1995	0.5643	2.32%	0
6.25		8	24.28	23.84	24.71	24	25.4	0.182	0.5148	2.12%	0
12.5		8	24.3	23.83	24.77	24	25.6	0.1991	0.5632	2.32%	0
25		8	24.25	23.88	24.62	24	25.3	0.1581	0.4472	1.84%	0
50		8	24.18	23.86	24.49	24	25.1	0.1346	0.3808	1.58%	0
100		8	24.16	23.84	24.48	24	25.1	0.1362	0.3852	1.59%	0
Overall		48	24.24	24.11	24.37	24	25.6	0.06623	0.4589	1.89%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		75							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		361	390	365	393	363	388	394	428
12.5		375	368	360	369	371	371	379	385
25		422	416	419	416	420	415	429	436
50		514	512	507	514	217	532	520	536
100		699	694	709	703	713	714	713	725

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.7	7.3	7.8	7.8	7.3	7	6.9	7.3
12.5		7.7	7.6	7.8	7.8	7.1	7	7.2	7
25		7.8	7.2	7.7	7	6.3	6.6	6.8	7
50		8	4.4	6.9	7.4	6.5	5.6	7.2	6.8
100		8.6	6.8	6.9	4.1	5	6.1	6.3	6.3

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		213							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.8	7.5	8	8
6.25		8.2	8.4	8.1	8.3	8.2	8.2	8.1	8.2
12.5		8.4	7.9	8.1	8	8.2	8.3	7.8	7.9
25		8	8.1	8.1	8	7.9	7.9	7.7	7.9
50		8	7.9	7.9	7.8	7.9	7.6	7.4	7.9
100		7.7	7.8	7.4	7.6	7.2	7.5	7.6	7.6

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24.8	24	24	24	24	25.5	24
6.25		24	24	24.7	24	24	24.1	25.4	24
12.5		24	24	24.6	24	24.1	24.1	25.6	24
25		24.2	24.1	24	24.4	24	24	25.3	24
50		24	24.2	24	24	24	24.1	25.1	24
100		24	24	24	24	24	24.2	25.1	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

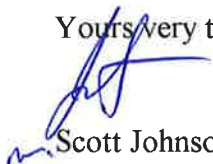
We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-FIL
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.359

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %
REPRODUCTION	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 15:53 (p 1 of 2)

Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 03-7860-2979	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 15:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 7d 0h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-2920-7886	Code: VCF1016.359	Client: VCWPD
Sample Date: 28 Oct-16 07:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 8h	Station: MO-FIL	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
10-7654-8429	7d Survival Rate	Fisher Exact/Bonferroni-Holm Test	100	> 100	n/a	1	n/a	
08-7371-7914	Reproduction	Dunnett Multiple Comparison Test	100	> 100	n/a	1	30.4%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
02-6445-4257	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	10.42	8.333	n/a	9.6	
			EC10	>100	n/a	n/a	<1	
			EC15	>100	n/a	n/a	<1	
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
02-9158-3674	Reproduction	Linear Interpolation (ICPIN)	EC50	>100	n/a	n/a	<1	✓
			IC5	8.274	2.379	n/a	12.09	✓
			IC10	10.3	4.759	n/a	9.711	✓
			IC15	12.32	7.858	n/a	8.116	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
02-6445-4257	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
10-7654-8429	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria
02-9158-3674	Reproduction	Control Resp	39.7	15	>>	Yes	Passes Acceptability Criteria
08-7371-7914	Reproduction	Control Resp	39.7	15	>>	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
12.5		10	0.7000	0.3544	1.0000	0.0000	1.0000	0.1528	0.4830	69.01%	30.00%
25		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	39.7	31.44	47.96	20	55	3.652	11.55	29.09%	0.00%
6.25		10	41.9	35.25	48.55	26	53	2.942	9.303	22.20%	-5.54%
12.5		10	17.5	7.789	27.21	5	43	4.293	13.57	77.57%	55.92%
25		10	38.3	30.06	46.54	23	59	3.642	11.52	30.07%	3.53%
50		10	39.8	31.67	47.93	26	55	3.593	11.36	28.54%	-0.25%
100		10	42.4	33.12	51.68	14	64	4.102	12.97	30.59%	-6.80%

CETIS Summary Report

Report Date: 02 Dec-16 15:53 (p 2 of 2)
 Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	0.0000	1.0000	1.0000	0.0000	1.0000	0.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	43	35	55	20	20	44	41	48	46	45
6.25		26	44	29	44	34	48	47	52	53	42
12.5		11	9	36	17	11	5	7	29	7	43
25		49	33	32	52	59	32	33	29	23	41
50		27	31	26	31	33	46	46	55	48	55
100		14	36	39	50	42	50	43	37	49	64

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	0/1	1/1	1/1	0/1	1/1	0/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:51 (p 1 of 2)

Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-7371-7914	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:50	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 03-7860-2979	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 15:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 7d 0h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-2920-7886	Code: VCF1016.359	Client: VCWPD
Sample Date: 28 Oct-16 07:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 8h	Station: MO-FIL	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	30.41%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-0.4172	2.289	12.07	18	CDF	0.9284	Non-Significant Effect
		12.5*	4.21	2.289	12.07	18	CDF	2.3E-04	Significant Effect
		25	0.2655	2.289	12.07	18	CDF	0.7428	Non-Significant Effect
		50	-0.01896	2.289	12.07	18	CDF	0.8389	Non-Significant Effect
		100	-0.512	2.289	12.07	18	CDF	0.9425	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	39.7	15	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	4492.8	898.56	5	6.463	8.9E-05	Significant Effect
Error	7507.6	139.03	54			
Total	12000.4		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	1.417	15.09	0.9224	Equal Variances
Variances	Levene Equality of Variance Test	0.4087	3.377	0.8407	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.2027	3.377	0.9600	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.311	3.878	0.5800	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.3701	2.576	0.7113	Normal Distribution
Distribution	D'Agostino Skewness Test	0.0589	2.576	0.9530	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	0.1404	9.21	0.9322	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.09743	0.1331	0.1596	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9897	0.9459	0.8931	Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	10	39.7	31.44	47.96	43.5	20	55	3.652	29.09%	0.00%
6.25		10	41.9	35.25	48.55	44	26	53	2.942	22.20%	-5.54%
12.5		10	17.5	7.789	27.21	11	5	43	4.293	77.57%	55.92%
25		10	38.3	30.06	46.54	33	23	59	3.642	30.07%	3.53%
50		10	39.8	31.67	47.93	39.5	26	55	3.593	28.54%	-0.25%
100		10	42.4	33.12	51.68	42.5	14	64	4.102	30.59%	-6.80%

CETIS Analytical Report

Report Date: 02 Dec-16 15:51 (p 2 of 2)
Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

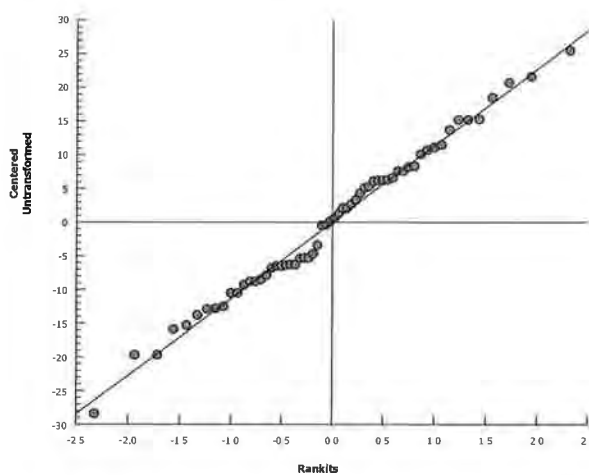
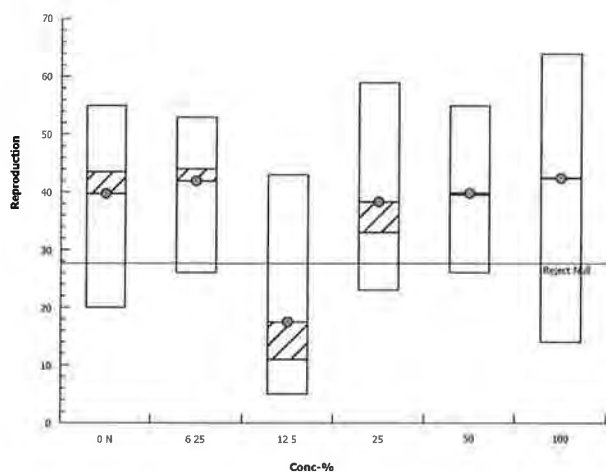
Analysis ID: 08-7371-7914 Endpoint: Reproduction
Analyzed: 02 Dec-16 15:50 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	43	35	55	20	20	44	41	48	46	45
6.25		26	44	29	44	34	48	47	52	53	42
12.5		11	9	36	17	11	5	7	29	7	43
25		49	33	32	52	59	32	33	29	23	41
50		27	31	26	31	33	46	46	55	48	55
100		14	36	39	50	42	50	43	37	49	64

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:51 (p 1 of 4)
 Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-6445-4257	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:50	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 03-7860-2979	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 15:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 7d 0h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-2920-7886	Code: VCF1016.359	Client: VCWPD
Sample Date: 28 Oct-16 07:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 8h	Station: MO-FIL	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	10.42	8.333	n/a	9.6	n/a	12
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Calculated Variate(A/B)

Conc.-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
6.25		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
12.5		10	0.7000	0.0000	1.0000	0.1528	0.4830	69.01%	30.0%	7	10
25		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
50		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
100		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10

7d Survival Rate Detail

Conc.-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	0.0000	1.0000	1.0000	0.0000	1.0000	0.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc.-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	0/1	1/1	1/1	0/1	1/1	0/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:51 (p 2 of 4)

Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-6445-4257

Endpoint: 7d Survival Rate

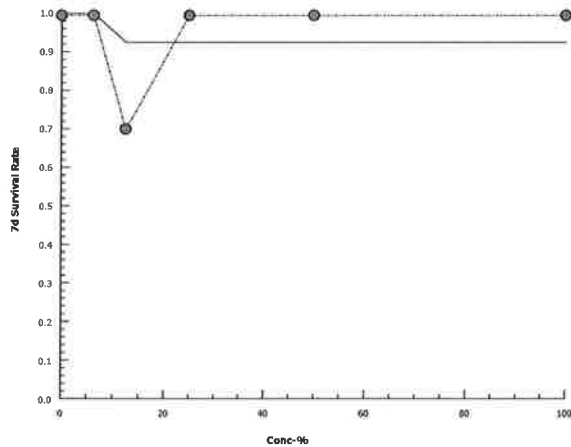
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 15:50

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:51 (p 3 of 4)

Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-9158-3674	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:50	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 03-7860-2979	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 15:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 7d 0h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-2920-7886	Code: VCF1016.359	Client: VCWPD
Sample Date: 28 Oct-16 07:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 8h	Station: MO-FIL	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	39.7	15	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	8.274	2.379	n/a	12.09	n/a	42.03
IC10	10.3	4.759	n/a	9.711	n/a	21.01
IC15	12.32	7.858	n/a	8.116	n/a	12.73
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Reproduction Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	39.7	20	55	3.652	11.55	29.09%	0.0%
6.25		10	41.9	26	53	2.942	9.303	22.20%	-5.54%
12.5		10	17.5	5	43	4.293	13.57	77.57%	55.92%
25		10	38.3	23	59	3.642	11.52	30.07%	3.53%
50		10	39.8	26	55	3.593	11.36	28.54%	-0.25%
100		10	42.4	14	64	4.102	12.97	30.59%	-6.8%

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	43	35	55	20	20	44	41	48	46	45
6.25		26	44	29	44	34	48	47	52	53	42
12.5		11	9	36	17	11	5	7	29	7	43
25		49	33	32	52	59	32	33	29	23	41
50		27	31	26	31	33	46	46	55	48	55
100		14	36	39	50	42	50	43	37	49	64

CETIS Analytical Report

Report Date: 02 Dec-16 15:51 (p 4 of 4)
Test Code: VCF1016.359c | 02-5347-3858

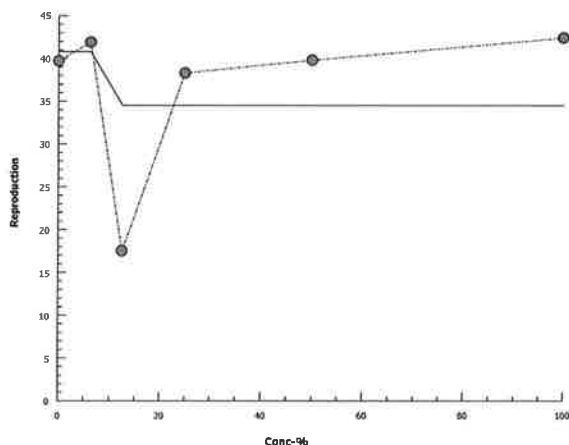
Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-9158-3674 Endpoint: Reproduction
Analyzed: 02 Dec-16 15:50 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 15:52 (p 1 of 2)

Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-7654-8429	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 15:50	Analysis: STP 2xK Contingency Tables	Official Results: Yes
Batch ID: 03-7860-2979	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 28 Oct-16 14:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 04 Nov-16 15:15	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 7d 0h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-2920-7886	Code: VCF1016.359	Client: VCWPD
Sample Date: 28 Oct-16 07:00	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 8h	Station: MO-FIL	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU
Untransformed	C > T	100	> 100	n/a	1

Fisher Exact/Bonferroni-Holm Test

Control	vs	Group	Test Stat	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	1.0000	Exact	1.0000	Non-Significant Effect
		12.5	0.1053	Exact	0.5263	Non-Significant Effect
		25	1.0000	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100	1.0000	Exact	1.0000	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Acceptability Criteria

Data Summary

Conc-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	N	10	0	10	1	0	0.0%
6.25		10	0	10	1	0	0.0%
12.5		7	3	10	0.7	0.3	30.0%
25		10	0	10	1	0	0.0%
50		10	0	10	1	0	0.0%
100		10	0	10	1	0	0.0%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	0.0000	1.0000	1.0000	0.0000	1.0000	0.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	0/1	1/1	1/1	0/1	1/1	0/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 02 Dec-16 15:52 (p 2 of 2)

Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-7654-8429

Endpoint: 7d Survival Rate

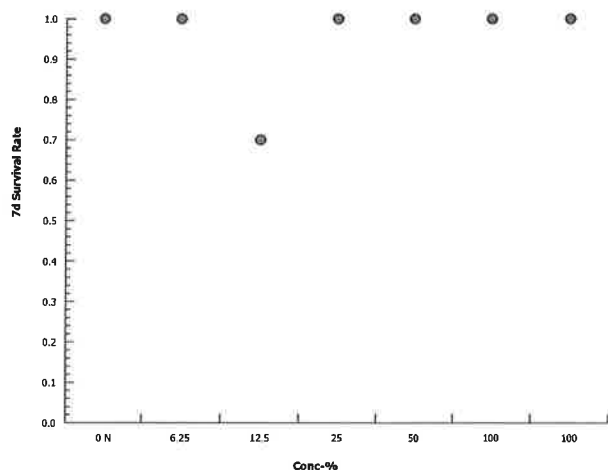
CETIS Version: CETISv1.9.2

Analyzed: 02 Dec-16 15:50

Analysis: STP 2xK Contingency Tables

Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 06 Dec-16 15:50 (p 1 of 2)
Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.	
Batch ID:	03-7860-2979	Test Type:	Reproduction-Survival (7d)	Analyst:	Joe Freas
Start Date:	28 Oct-16 14:55	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	04 Nov-16 15:15	Species:	Ceriodaphnia dubia	Brine:	Not Applicable
Duration:	7d 0h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	16-2920-7886	Code:	VCF1016.359	Client:	VCWPD
Sample Date:	28 Oct-16 07:00	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 12:10	Source:	Bioassay Report		
Sample Age:	8h	Station:	MO-FIL		

Alkalinity (CaCO3)-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	108			108	108	0	0	0.0%	0
Overall		9	67.33	55.54	79.13	61	108	5.115	15.35	22.79%	0 (0%)

Conductivity-µmhos											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	385.2	366.6	403.9	361	428	7.892	22.32	5.79%	0
12.5		8	372.2	366	378.5	360	385	2.664	7.536	2.02%	0
25		8	421.6	415.5	427.8	415	436	2.598	7.347	1.74%	0
50		8	481.5	391.8	571.2	217	536	37.95	107.3	22.29%	0
100		8	708.8	700.5	717	694	725	3.468	9.809	1.38%	0
Overall		48	449.8	411.1	488.5	217	725	19.24	133.3	29.63%	0 (0%)

Dissolved Oxygen-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	7.388	7.096	7.679	6.9	7.8	0.1231	0.3482	4.71%	0
12.5		8	7.4	7.1	7.7	7	7.8	0.1268	0.3586	4.85%	0
25		8	7.05	6.621	7.479	6.3	7.8	0.1813	0.5127	7.27%	0
50		8	6.6	5.655	7.545	4.4	8	0.3996	1.13	17.12%	0
100		8	6.263	5.147	7.378	4.1	8.6	0.4717	1.334	21.3%	0
Overall		48	7.073	6.814	7.332	4.1	8.6	0.1289	0.8932	12.63%	0 (0%)

Hardness (CaCO3)-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		1	250			250	250	0	0	0.0%	0
Overall		9	107.6	66.33	148.8	86	250	17.88	53.64	49.87%	0 (0%)

pH-Units											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.863	7.722	8.003	7.5	8	0.05957	0.1685	2.14%	0
6.25		8	8.212	8.13	8.295	8.1	8.4	0.03504	0.0991	1.21%	0
12.5		8	8.075	7.898	8.252	7.8	8.4	0.075	0.2121	2.63%	0
25		8	7.95	7.841	8.059	7.7	8.1	0.04629	0.1309	1.65%	0
50		8	7.8	7.633	7.967	7.4	8	0.07071	0.2	2.56%	0
100		8	7.55	7.395	7.705	7.2	7.8	0.06547	0.1852	2.45%	0
Overall		48	7.908	7.831	7.986	7.2	8.4	0.03846	0.2664	3.37%	0 (0%)

CETIS Measurement Report

Report Date: 06 Dec-16 15:50 (p 2 of 2)
Test Code: VCF1016.359c | 02-5347-3858

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.29	23.82	24.76	24	25.5	0.1995	0.5643	2.32%	0
6.25		8	24.28	23.84	24.71	24	25.4	0.182	0.5148	2.12%	0
12.5		8	24.3	23.83	24.77	24	25.6	0.1991	0.5632	2.32%	0
25		8	24.25	23.88	24.62	24	25.3	0.1581	0.4472	1.84%	0
50		8	24.18	23.86	24.49	24	25.1	0.1346	0.3808	1.58%	0
100		8	24.16	23.84	24.48	24	25.1	0.1362	0.3852	1.59%	0
Overall		48	24.24	24.11	24.37	24	25.6	0.06623	0.4589	1.89%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		108							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		361	390	365	393	363	388	394	428
12.5		375	368	360	369	371	371	379	385
25		422	416	419	416	420	415	429	436
50		514	512	507	514	217	532	520	536
100		699	694	709	703	713	714	713	725

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.7	7.3	7.8	7.8	7.3	7	6.9	7.3
12.5		7.7	7.6	7.8	7.8	7.1	7	7.2	7
25		7.8	7.2	7.7	7	6.3	6.6	6.8	7
50		8	4.4	6.9	7.4	6.5	5.6	7.2	6.8
100		8.6	6.8	6.9	4.1	5	6.1	6.3	6.3

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		250							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.8	7.5	8	8
6.25		8.2	8.4	8.1	8.3	8.2	8.2	8.1	8.2
12.5		8.4	7.9	8.1	8	8.2	8.3	7.8	7.9
25		8	8.1	8.1	8	7.9	7.9	7.7	7.9
50		8	7.9	7.9	7.8	7.9	7.6	7.4	7.9
100		7.7	7.8	7.4	7.6	7.2	7.5	7.6	7.6

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24.8	24	24	24	24	25.5	24
6.25		24	24	24.7	24	24	24.1	25.4	24
12.5		24	24	24.6	24	24.1	24.1	25.6	24
25		24.2	24.1	24	24.4	24	24	25.3	24
50		24	24.2	24	24	24	24.1	25.1	24
100		24	24	24	24	24	24.2	25.1	24

December 6, 2016

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms EPA-821-R-02-013*. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-MPK
DATE RECEIVED:	10/28/2016
ABC LAB. NO.:	VCF1016.357

CHRONIC SELENASTRUM ALGAE GROWTH BIOASSAY


NOEC = 100.00 %

TUc = 1.00

IC25 = >100.00 %

IC50 = >100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 02 Dec-16 16:04 (p 1 of 1)
Test Code: VCF1016.357 | 11-4467-2589

Selenastrum Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Batch ID:	16-5632-5481	Test Type:	Cell Growth	Analyst:	Joe Freas		
Start Date:	28 Oct-16 14:30	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	01 Nov-16 13:00	Species:	Selenastrum capricornutum	Brine:	Not Applicable		
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	14-3192-1290	Code:	VCF1016.357	Client:	VCWPD		
Sample Date:	28 Oct-16 08:15	Material:	Sample Water	Project:	2016/17-1 (Wet)		
Receipt Date:	28 Oct-16 12:10	Source:	Bioassay Report				
Sample Age:	6h	Station:	MO-MPK				

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
12-2257-0377	Cell Density	Dunnett Multiple Comparison Test	100	> 100	n/a	1	15.0%

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
19-0962-5998	Cell Density	Linear Interpolation (ICPIN)	IC5	>100	n/a	n/a	<1	
			IC10	>100	n/a	n/a	<1	
			IC15	>100	n/a	n/a	<1	
			IC20	>100	n/a	n/a	<1	
			IC25	>100	n/a	n/a	<1	
			IC40	>100	n/a	n/a	<1	
			IC50	>100	n/a	n/a	<1	

Test Acceptability

				TAC Limits			
Analysis ID	Endpoint	Attribute	Test Stat	Lower	Upper	Overlap	Decision
12-2257-0377	Cell Density	Control CV	0.07076	<<	0.2	Yes	Passes Acceptability Criteria
19-0962-5998	Cell Density	Control CV	0.07076	<<	0.2	Yes	Passes Acceptability Criteria
12-2257-0377	Cell Density	Control Resp	1.12E+6	1000000	>>	Yes	Passes Acceptability Criteria
19-0962-5998	Cell Density	Control Resp	1.12E+6	1000000	>>	Yes	Passes Acceptability Criteria

Cell Density Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	1.122E+6	9.952E+5	1.248E+6	1.036E+6	1.192E+6	3.968E+4	7.935E+4	7.08%	0.00%
6.25		4	1.370E+6	1.233E+6	1.508E+6	1.267E+6	1.451E+6	4.314E+4	8.628E+4	6.30%	-22.18%
12.5		4	1.316E+6	1.122E+6	1.511E+6	1.189E+6	1.439E+6	6.116E+4	1.223E+5	9.29%	-17.37%
25		4	1.396E+6	1.192E+6	1.600E+6	1.265E+6	1.512E+6	6.413E+4	1.283E+5	9.19%	-24.48%
50		4	1.426E+6	1.243E+6	1.610E+6	1.288E+6	1.565E+6	5.781E+4	1.156E+5	8.11%	-27.20%
100		4	1.591E+6	1.557E+6	1.625E+6	1.561E+6	1.607E+6	1.062E+4	2.123E+4	1.33%	-41.84%

Cell Density Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.186E+6	1.192E+6	1.072E+6	1.036E+6
6.25		1.451E+6	1.332E+6	1.431E+6	1.267E+6
12.5		1.236E+6	1.189E+6	1.439E+6	1.401E+6
25		1.512E+6	1.500E+6	1.307E+6	1.265E+6
50		1.456E+6	1.565E+6	1.288E+6	1.397E+6
100		1.607E+6	1.561E+6	1.605E+6	1.590E+6

CETIS Analytical Report

Report Date: 02 Dec-16 16:02 (p 1 of 2)

Test Code: VCF1016.357 | 11-4467-2589

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 12-2257-0377	Endpoint: Cell Density	CETIS Version: CETISv1.9.2
Analyzed: 02 Dec-16 16:01	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 16-5632-5481	Test Type: Cell Growth	Analyst: Joe Freas
Start Date: 28 Oct-16 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 01 Nov-16 13:00	Species: Selenastrum capricornutum	Brine: Not Applicable
Duration: 94h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-3192-1290	Code: VCF1016.357	Client: VCWPD
Sample Date: 28 Oct-16 08:15	Material: Sample Water	Project: 2016/17-1 (Wet)
Receipt Date: 28 Oct-16 12:10	Source: Bioassay Report	
Sample Age: 6h	Station: MO-MPK	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	15.05%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-3.548	2.407	2E+05	6	CDF	1.0000	Non-Significant Effect
		12.5	-2.778	2.407	2E+05	6	CDF	0.9999	Non-Significant Effect
		25	-3.916	2.407	2E+05	6	CDF	1.0000	Non-Significant Effect
		50	-4.351	2.407	2E+05	6	CDF	1.0000	Non-Significant Effect
		100	-6.694	2.407	2E+05	6	CDF	1.0000	Non-Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control CV	0.07076	<<	0.2	Yes	Passes Acceptability Criteria
Control Resp	1.12E+6	1000000	>>	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	4.69E+11	9.379E+10	5	9.542	1.4E-04	Significant Effect
Error	1.769E+11	9.829E+09	18			
Total	6.459E+11		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	6.804	15.09	0.2356	Equal Variances
Variances	Levene Equality of Variance Test	4.605	4.248	0.0070	Unequal Variances
Variances	Mod Levene Equality of Variance Test	4.328	4.248	0.0092	Unequal Variances
Distribution	Anderson-Darling A2 Normality Test	0.4447	3.878	0.2886	Normal Distribution
Distribution	D'Agostino Kurtosis Test	2.234	2.576	0.0255	Normal Distribution
Distribution	D'Agostino Skewness Test	0.1486	2.576	0.8819	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	5.013	9.21	0.0816	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1307	0.2056	0.3548	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9449	0.884	0.2094	Normal Distribution

Cell Density Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.122E+6	9.952E+5	1.248E+6	1.129E+6	1.036E+6	1.192E+6	3.968E+4	7.08%	0.00%
6.25		4	1.370E+6	1.233E+6	1.508E+6	1.382E+6	1.267E+6	1.451E+6	4.314E+4	6.30%	-22.18%
12.5		4	1.316E+6	1.122E+6	1.511E+6	1.318E+6	1.189E+6	1.439E+6	6.116E+4	9.29%	-17.37%
25		4	1.396E+6	1.192E+6	1.600E+6	1.404E+6	1.265E+6	1.512E+6	6.413E+4	9.19%	-24.48%
50		4	1.426E+6	1.243E+6	1.610E+6	1.426E+6	1.288E+6	1.565E+6	5.781E+4	8.11%	-27.20%
100		4	1.591E+6	1.557E+6	1.625E+6	1.598E+6	1.561E+6	1.607E+6	1.062E+4	1.33%	-41.84%

CETIS Analytical Report

Report Date: 02 Dec-16 16:02 (p 2 of 2)
Test Code: VCF1016.357 | 11-4467-2589

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

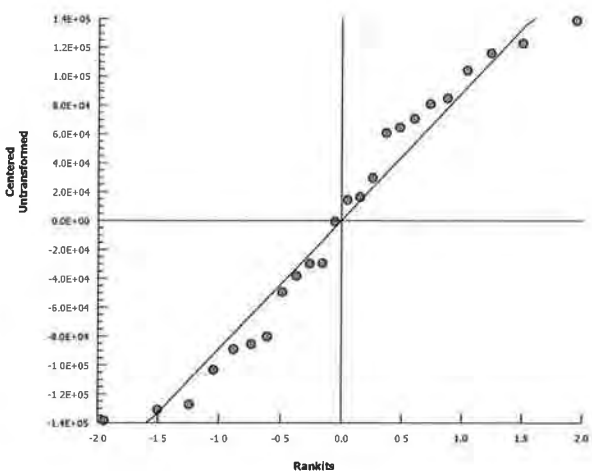
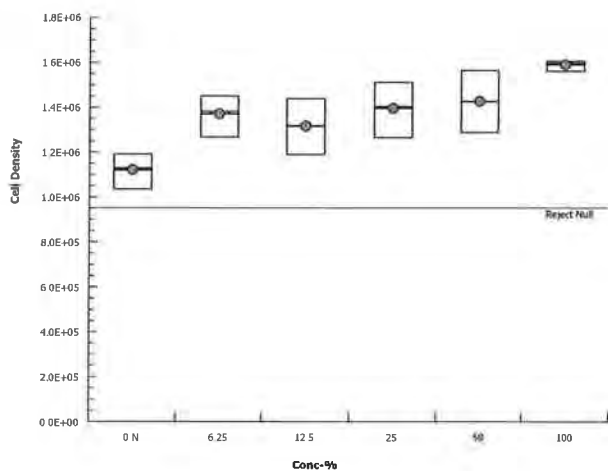
Analysis ID: 12-2257-0377 Endpoint: Cell Density
Analyzed: 02 Dec-16 16:01 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Cell Density Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.186E+6	1.192E+6	1.072E+6	1.036E+6
6.25		1.451E+6	1.332E+6	1.431E+6	1.267E+6
12.5		1.236E+6	1.189E+6	1.439E+6	1.401E+6
25		1.512E+6	1.500E+6	1.307E+6	1.265E+6
50		1.456E+6	1.565E+6	1.288E+6	1.397E+6
100		1.607E+6	1.561E+6	1.605E+6	1.590E+6

Graphics



CETIS Analytical Report

Report Date: 02 Dec-16 16:02 (p 1 of 2)

Test Code: VCF1016.357 | 11-4467-2589

Selenastrum Growth Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID:	19-0962-5998	Endpoint:	Cell Density	CETIS Version:	CETISv1.9.2
Analyzed:	02 Dec-16 16:02	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes
Batch ID:	16-5632-5481	Test Type:	Cell Growth	Analyst:	Joe Freas
Start Date:	28 Oct-16 14:30	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	01 Nov-16 13:00	Species:	Selenastrum capricornutum	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	14-3192-1290	Code:	VCF1016.357	Client:	VCWPD
Sample Date:	28 Oct-16 08:15	Material:	Sample Water	Project:	2016/17-1 (Wet)
Receipt Date:	28 Oct-16 12:10	Source:	Bioassay Report		
Sample Age:	6h	Station:	MO-MPK		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control CV	0.07076	<<	0.2	Yes	Passes Acceptability Criteria
Control Resp	1.12E+6	1000000	>>	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	n/a	n/a	<1	n/a	n/a
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Cell Density Summary

			Calculated Variate						
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	1.122E+6	1.036E+6	1.192E+6	3.968E+4	7.935E+4	7.08%	0.0%
6.25		4	1.370E+6	1.267E+6	1.451E+6	4.314E+4	8.628E+4	6.30%	-22.18%
12.5		4	1.316E+6	1.189E+6	1.439E+6	6.116E+4	1.223E+5	9.29%	-17.37%
25		4	1.396E+6	1.265E+6	1.512E+6	6.413E+4	1.283E+5	9.19%	-24.48%
50		4	1.426E+6	1.288E+6	1.565E+6	5.781E+4	1.156E+5	8.11%	-27.2%
100		4	1.591E+6	1.561E+6	1.607E+6	1.062E+4	2.124E+4	1.34%	-41.84%

Cell Density Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.186E+6	1.192E+6	1.072E+6	1.036E+6
6.25		1.451E+6	1.332E+6	1.431E+6	1.267E+6
12.5		1.236E+6	1.189E+6	1.439E+6	1.401E+6
25		1.512E+6	1.500E+6	1.307E+6	1.265E+6
50		1.456E+6	1.565E+6	1.288E+6	1.397E+6
100		1.607E+6	1.561E+6	1.605E+6	1.590E+6

CETIS Analytical Report

Report Date: 02 Dec-16 16:02 (p 2 of 2)
Test Code: VCF1016.357 | 11-4467-2589

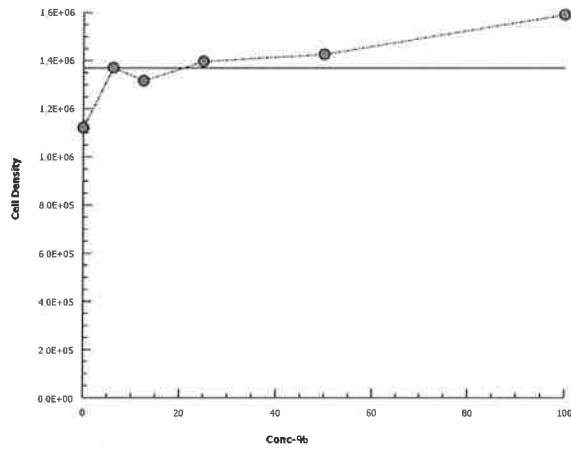
Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-0962-5998 Endpoint: Cell Density
Analyzed: 02 Dec-16 16:02 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 06 Dec-16 15:55 (p 1 of 2)
Test Code: VCF1016.357 | 11-4467-2589

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 16-5632-5481
Start Date: 28 Oct-16 14:30
Ending Date: 01 Nov-16 13:00
Duration: 94h
Test Type: Cell Growth
Protocol: EPA/821/R-02-013 (2002)
Species: Selenastrum capricornutum
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 14-3192-1290
Sample Date: 28 Oct-16 08:15
Receipt Date: 28 Oct-16 12:10
Sample Age: 6h
Code: VCF1016.357
Material: Sample Water
Source: Bioassay Report
Station: MO-MPK

Client: VCWPD
Project: 2016/17-1 (Wet)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	1	69			69	69	0	0	0.0%	0
100		1	69			69	69	0	0	0.0%	0
Overall		2	69	69	69	69	69	0	0	0.00%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	5	450	432.2	467.8	427	463	6.419	14.35	3.19%	0
6.25		5	408.2	397.3	419.1	393	415	3.917	8.758	2.15%	0
12.5		5	403.2	401.6	404.8	402	405	0.5831	1.304	0.32%	0
25		5	380.6	376.9	384.3	377	384	1.327	2.966	0.78%	0
50		5	335	332.5	337.5	333	338	0.8944	2	0.6%	0
100		5	242.2	235.8	248.6	237	249	2.311	5.167	2.13%	0
Overall		30	369.9	344.4	395.3	237	463	12.43	68.09	18.41%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	1	99			99	99	0	0	0.0%	0
100		1	75			75	75	0	0	0.0%	0
Overall		2	87	-65.47	239.5	75	99	12	16.97	19.51%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	5	7.62	7.416	7.824	7.4	7.8	0.07349	0.1643	2.16%	0
6.25		5	7.7	7.524	7.876	7.5	7.8	0.06325	0.1414	1.84%	0
12.5		5	7.7	7.504	7.896	7.5	7.9	0.07071	0.1581	2.05%	0
25		5	7.7	7.468	7.932	7.5	8	0.08367	0.1871	2.43%	0
50		5	7.76	7.371	8.149	7.5	8.3	0.14	0.313	4.03%	0
100		5	23.66	-21	68.32	7.4	88	16.09	35.97	152.0%	0
Overall		30	10.36	4.88	15.83	7.4	88	2.678	14.67	141.60%	0 (0%)

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	5	24.04	23.97	24.11	24	24.1	0.02445	0.05468	0.23%	0
6.25		5	24.04	23.97	24.11	24	24.1	0.02445	0.05468	0.23%	0
12.5		5	24.04	23.97	24.11	24	24.1	0.02445	0.05468	0.23%	0
25		5	24.04	23.97	24.11	24	24.1	0.02445	0.05468	0.23%	0
50		5	24.04	23.97	24.11	24	24.1	0.02445	0.05468	0.23%	0
100		5	24.04	23.97	24.11	24	24.1	0.02445	0.05468	0.23%	0
Overall		30	24.04	24.02	24.06	24	24.1	0.009097	0.04983	0.21%	0 (0%)

CETIS Measurement Report

Report Date: 06 Dec-16 15:55 (p 2 of 2)
 Test Code: VCF1016.357 | 11-4467-2589

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5
0	N	69				
100		69				

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5
0	N	427	448	451	461	463
6.25		393	409	412	412	415
12.5		405	402	402	403	404
25		382	377	378	382	384
50		334	333	334	338	336
100		238	237	241	246	249

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5
0	N					
6.25						
12.5						
25						
50						
100						

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5
0	N	99				
100		75				

pH-Units

Conc-%	Code	1	2	3	4	5
0	N	7.7	7.7	7.5	7.8	7.4
6.25		7.8	7.6	7.8	7.8	7.5
12.5		7.9	7.6	7.8	7.7	7.5
25		8	7.6	7.7	7.7	7.5
50		8.3	7.6	7.7	7.7	7.5
100		88	7.4	7.7	7.7	7.5

Temperature-°C

Conc-%	Code	1	2	3	4	5
0	N	24.1	24	24.1	24	24
6.25		24.1	24	24.1	24	24
12.5		24.1	24	24.1	24	24
25		24.1	24	24.1	24	24
50		24.1	24	24	24.1	24
100		24.1	24	24	24.1	24



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 2

Sampling Date: 10/28/16 Project Number: 2016/17-1 (Wet)

Sampling Team: T. LINDELL, D. WILKINSON

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-CC	10/28/16 0900	X							2	Note 1, Note 2, Note 3 13.8°C (24°F) = 2.0
ME-SCR					X				1	Note 1, Note 2, Note 3
ME-VR2		X							2	Note 1, Note 2, Note 3
MO-CAM						X			2	Note 1, Note 2, Note 3
MO-OJA						X			2	Note 1, Note 2, Note 3
MO-MEI						X			2	Note 1, Note 2, Note 3
MO-VEN	10/28/16 0655 0755						X		2	Note 1, Note 2, Note 3 7.2°C (45°F) = 3.1

Relinquished Printed Name TOMMY LINDELL
 Signature [Signature]
 Affiliation VCWPD Date/Time 10/28/16 1055 PD7

Received Printed Name E. MATHIAS
 Signature [Signature]
 Affiliation ABC LABS. Date/Time 10-28-16 / 1055

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 2 of 2

Sampling Date: _____ Project Number: 2016/17-1 (Wet)

Sampling Team: _____

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN	10/28/16 0015	0715				X			2	Note 1, Note 2, Note 3
MO-HUE							X		3	Note 1, Note 2, Note 3, Note 4
MO-THO							X		2	Note 1, Note 2, Note 3
MO-MPK								X	2	Note 1, Note 2, Note 3
MO-SIM							X		2	Note 1, Note 2, Note 3
MO-FIL							X		2	Note 1, Note 2, Note 3
MO-SPA						X			2	Note 1, Note 2, Note 3

6.8°C
Log
3.1

Relinquished Printed Name _____

Signature _____

Affiliation _____ Date/Time _____

Received Printed Name _____

Signature _____

Affiliation _____ Date/Time _____

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%

Note 3: Notify District within 24 hours if significant toxicity is observed.

Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyaella*



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 2

Sampling Date: 10-28-16

Project Number: 2016/17-1 (Wet)

Sampling Team: Lara Meeker & Scott Greer

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-CC		X							2	Note 1, Note 2, Note 3
ME-SCR					X				1	Note 1, Note 2, Note 3
ME-VR2	10/28/16 0720	X	344						2	Note 1, Note 2, Note 3 8.8°C 40.1 = 0.7
MO-CAM						X			2	Note 1, Note 2, Note 3
MO-OJA	10/28/16 0420					X			2	Note 1, Note 2, Note 3 17.3°C 40.1 = 6.0
MO-MEI	10/28/16 0555					X			2	Note 1, Note 2, Note 3 8.5°C 40.1 = 4.0
MO-VEN							X		2	Note 1, Note 2, Note 3

Relinquished

Printed Name

Lara Meeker

Signature

[Signature]

Affiliation

VC WPD

Date/Time

10-28-16 9:47

Received

Printed Name

Karin Wisenbaker

Signature

[Signature]

Affiliation

ABC

Date/Time

10-28-16 9:47

Other Notes:

Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%

Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 2 of 2

Sampling Date: 10/28/16

Project Number: 2016/17-1 (Wet)

Sampling Team: WBC, SC

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN						X			2	Note 1, Note 2, Note 3
MO-HUE							X		3	Note 1, Note 2, Note 3, Note 4
MO-THO	10/28/16 10:10						X		2	Note 1, Note 2, Note 3
MO-MPK	10/28/16 08:15							X	2	Note 1, Note 2, Note 3
MO-SIM	10/28/16 09:10						X		2	Note 1, Note 2, Note 3
MO-FIL	10/28/16 07:00						X		2	Note 1, Note 2, Note 3
MO-SPA	10/28/16 06:15					X			2	Note 1, Note 2, Note 3

Relinquished Printed Name SARA CASEY
 Signature [Signature]
 Affiliation VCWPD Date/Time 10/28/16 10:50

Received Printed Name E-MAGUIRANO
 Signature [Signature]
 Affiliation ABC LABS Date/Time 10-28-16 12:10

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
 Note 3: Notify District within 24 hours if significant toxicity is observed.
 Note 4: If salinity > 2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*

January 6, 2017

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

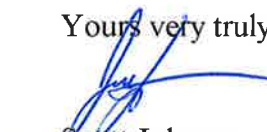
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-CAM
DATE RECEIVED:	11/21/2016
ABC LAB. NO.:	VCF1116.215

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	12.50 %
	TU _c =	8.00
	EC25 =	28.12 %
	EC50 =	60.00 %
BIOMASS	NOEC =	25.00 %
	TU _c =	4.00
	IC25 =	31.76 %
	IC50 =	>100.00 %

*NOTE: TIE Initiated due to <50.00% survival.

Yours very truly,


for Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 06 Jan-17 09:58 (p 1 of 2)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 08-2433-2088	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 22 Nov-16 11:23	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 09:25	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 11-9291-7102	Code: VCF1116.215	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project:
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 38h (7.5 °C)	Station: MO-CAM	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
07-8855-2784	7d Survival Rate	Dunnett Multiple Comparison Test	12.5	25	17.68	8	12.5%	✓
05-0069-9083	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	25	50	35.36	4	18.5%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
19-5284-0586	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	9.375	4.375	20.09	10.67	
			EC10	15.28	7.5	33.91	6.545	
			EC15	19.44	10.83	36.03	5.143	
			EC20	23.61	15.06	38.44	4.235	✓
			EC25	28.12	17.79	40.72	3.556	✓
			EC40	42.19	30.69	73.51	2.37	✓
04-3780-5913	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	EC50	60	34.59	n/a	1.667	✓
			IC5	8.515	7.169	15.14	11.74	✓
			IC10	10.78	8.087	22.19	9.277	✓
			IC15	14.72	7.998	39.67	6.792	✓
			IC20	23.99	4.717	49.46	4.169	
			IC25	31.76	13.56	73.83	3.149	
			IC40	65.91	27.2	n/a	1.517	
			IC50	>100	n/a	n/a	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits			Overlap	Decision
				Lower	Upper			
07-8855-2784	7d Survival Rate	Control Resp	1	0.8	>>		Yes	Passes Criteria
19-5284-0586	7d Survival Rate	Control Resp	1	0.8	>>		Yes	Passes Criteria
04-3780-5913	Mean Dry Biomass-mg	Control Resp	0.2653	0.25	>>		Yes	Passes Criteria
05-0069-9083	Mean Dry Biomass-mg	Control Resp	0.2653	0.25	>>		Yes	Passes Criteria
05-0069-9083	Mean Dry Biomass-mg	PMSD	0.185	0.12	0.3		Yes	Passes Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		4	0.9667	0.9054	1.0000	0.9333	1.0000	0.0193	0.0385	3.98%	3.33%
12.5		4	0.9333	0.8108	1.0000	0.8667	1.0000	0.0385	0.0770	8.25%	6.67%
25		4	0.7833	0.5481	1.0000	0.6667	1.0000	0.0739	0.1478	18.87%	21.67%
50		4	0.5167	0.2814	0.7519	0.4000	0.7333	0.0739	0.1478	28.61%	48.33%
100		4	0.4333	0.2496	0.6171	0.3333	0.6000	0.0577	0.1155	26.65%	56.67%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.2653	0.2452	0.2854	0.25	0.2767	0.006319	0.01264	4.76%	0.00%
6.25		4	0.283	0.2733	0.2927	0.2767	0.29	0.003049	0.006098	2.15%	-6.66%
12.5		4	0.2363	0.1847	0.288	0.2007	0.268	0.01624	0.03248	13.74%	10.93%
25		4	0.2178	0.1616	0.274	0.1813	0.266	0.01766	0.03532	16.21%	17.90%
50		4	0.1727	0.1021	0.2433	0.1427	0.2387	0.02219	0.04438	25.70%	34.92%
100		4	0.147	0.1106	0.1834	0.1273	0.18	0.01143	0.02285	15.55%	44.60%

CETIS Summary Report

Report Date: 06 Jan-17 09:58 (p 2 of 2)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	0.9333	0.9333
12.5		0.8667	1.0000	0.8667	1.0000
25		0.6667	1.0000	0.7333	0.7333
50		0.4667	0.4667	0.4000	0.7333
100		0.4000	0.4000	0.3333	0.6000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.26	0.25	0.2747	0.2767
6.25		0.2767	0.2793	0.286	0.29
12.5		0.2173	0.268	0.2007	0.2593
25		0.1813	0.266	0.2087	0.2153
50		0.156	0.1533	0.1427	0.2387
100		0.1393	0.1413	0.1273	0.18

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
6.25		15/15	15/15	14/15	14/15
12.5		13/15	15/15	13/15	15/15
25		10/15	15/15	11/15	11/15
50		7/15	7/15	6/15	11/15
100		6/15	6/15	5/15	9/15

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 1 of 4)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 07-8855-2784	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2					
Analyzed: 29 Nov-16 10:10	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 08-2433-2088	Test Type: Growth-Survival (7d)	Analyst:					
Start Date: 22 Nov-16 11:23	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 29 Nov-16 09:25	Species: Pimephales promelas	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 11-9291-7102	Code: VCF1116.215	Client: VCWPD					
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project:					
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report						
Sample Age: 38h (7.5 °C)	Station: MO-CAM						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	12.5	25	17.68	8	12.52%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	0.6827	2.407	0.232	6	CDF	0.5659	Non-Significant Effect
		12.5	1.267	2.407	0.232	6	CDF	0.3108	Non-Significant Effect
		25*	3.401	2.407	0.232	6	CDF	0.0066	Significant Effect
		50*	6.605	2.407	0.232	6	CDF	3.4E-05	Significant Effect
		100*	7.502	2.407	0.232	6	CDF	2.8E-05	Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.87727	0.375455	5	20.18	8.3E-07	Significant Effect
Error	0.334956	0.0186086	18			
Total	2.21223		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	3.15	4.248	0.0324	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.7551	4.248	0.5934	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.9198	3.878	0.0194	Normal Distribution
Distribution	D'Agostino Kurtosis Test	1.227	2.576	0.2197	Normal Distribution
Distribution	D'Agostino Skewness Test	2.346	2.576	0.0190	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	7.01	9.21	0.0301	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.2083	0.2056	0.0084	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9029	0.884	0.0248	Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
6.25		4	0.9667	0.9054	1.0000	0.9667	0.9333	1.0000	0.0192	3.98%	3.33%
12.5		4	0.9333	0.8108	1.0000	0.9333	0.8667	1.0000	0.0385	8.25%	6.67%
25		4	0.7833	0.5481	1.0000	0.7333	0.6667	1.0000	0.0739	18.87%	21.67%
50		4	0.5167	0.2814	0.7519	0.4667	0.4000	0.7333	0.0739	28.61%	48.33%
100		4	0.4333	0.2496	0.6171	0.4000	0.3333	0.6000	0.0577	26.65%	56.67%

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 2 of 4)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-8855-2784 Endpoint: 7d Survival Rate
Analyzed: 29 Nov-16 10:10 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.441	1.441	1.442	1.441	1.441	1.441	0	0.00%	0.00%
6.25		4	1.375	1.254	1.496	1.375	1.31	1.441	0.03802	5.53%	4.57%
12.5		4	1.319	1.095	1.544	1.319	1.197	1.441	0.07053	10.69%	8.48%
25		4	1.113	0.7609	1.466	1.028	0.9553	1.441	0.1107	19.89%	22.76%
50		4	0.8042	0.5614	1.047	0.752	0.6847	1.028	0.07631	18.98%	44.20%
100		4	0.7177	0.5318	0.9037	0.6847	0.6155	0.8861	0.05843	16.28%	50.20%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	0.9333	0.9333
12.5		0.8667	1.0000	0.8667	1.0000
25		0.6667	1.0000	0.7333	0.7333
50		0.4667	0.4667	0.4000	0.7333
100		0.4000	0.4000	0.3333	0.6000

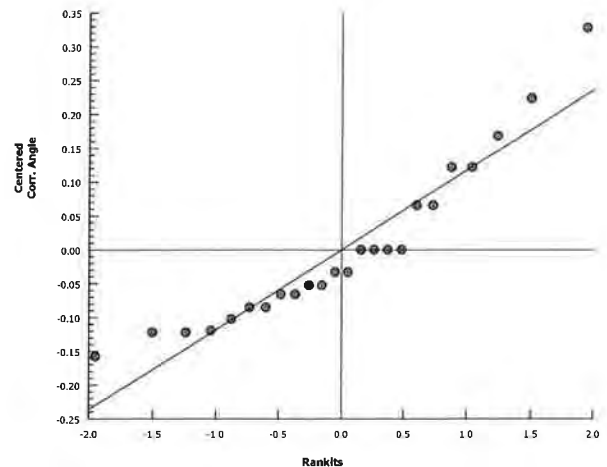
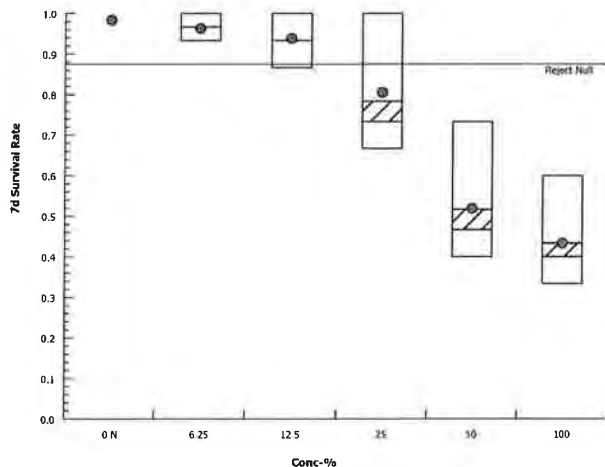
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.441	1.441	1.441	1.441
6.25		1.441	1.441	1.31	1.31
12.5		1.197	1.441	1.197	1.441
25		0.9553	1.441	1.028	1.028
50		0.752	0.752	0.6847	1.028
100		0.6847	0.6847	0.6155	0.8861

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
6.25		15/15	15/15	14/15	14/15
12.5		13/15	15/15	13/15	15/15
25		10/15	15/15	11/15	11/15
50		7/15	7/15	6/15	11/15
100		6/15	6/15	5/15	9/15

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 3 of 4)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-0069-9083	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 05 Jan-17 11:10	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 08-2433-2088	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 22 Nov-16 11:23	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 09:25	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 11-9291-7102	Code: VCF1116.215	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project:
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 38h (7.5 °C)	Station: MO-CAM	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	25	50	35.36	4	18.50%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-0.8663	2.407	0.049	6	CDF	0.9754	Non-Significant Effect
		12.5	1.422	2.407	0.049	6	CDF	0.2539	Non-Significant Effect
		25	2.329	2.407	0.049	6	CDF	0.0579	Non-Significant Effect
		50*	4.544	2.407	0.049	6	CDF	5.8E-04	Significant Effect
		100*	5.802	2.407	0.049	6	CDF	6.5E-05	Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.2653	0.25	>>	Yes	Passes Criteria
PMSD	0.185	0.12	0.3	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.055457	0.0110914	5	13.33	1.6E-05	Significant Effect
Error	0.0149723	0.0008318	18			
Total	0.0704293		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	9.876	15.09	0.0788	Equal Variances
Variances	Levene Equality of Variance Test	2.215	4.248	0.0977	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.7328	4.248	0.6083	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.6596	3.878	0.0854	Normal Distribution
Distribution	D'Agostino Kurtosis Test	1	2.576	0.3171	Normal Distribution
Distribution	D'Agostino Skewness Test	1.96	2.576	0.0499	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	4.844	9.21	0.0887	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.164	0.2056	0.0941	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9327	0.884	0.1118	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.2653	0.2452	0.2854	0.2673	0.25	0.2767	0.006319	4.76%	0.00%
6.25		4	0.283	0.2733	0.2927	0.2827	0.2767	0.29	0.003049	2.15%	-6.66%
12.5		4	0.2363	0.1847	0.288	0.2383	0.2007	0.268	0.01624	13.74%	10.93%
25		4	0.2178	0.1616	0.274	0.212	0.1813	0.266	0.01766	16.21%	17.90%
50		4	0.1727	0.1021	0.2433	0.1547	0.1427	0.2387	0.02219	25.70%	34.92%
100		4	0.147	0.1106	0.1834	0.1403	0.1273	0.18	0.01143	15.55%	44.60%

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 4 of 4)
 Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

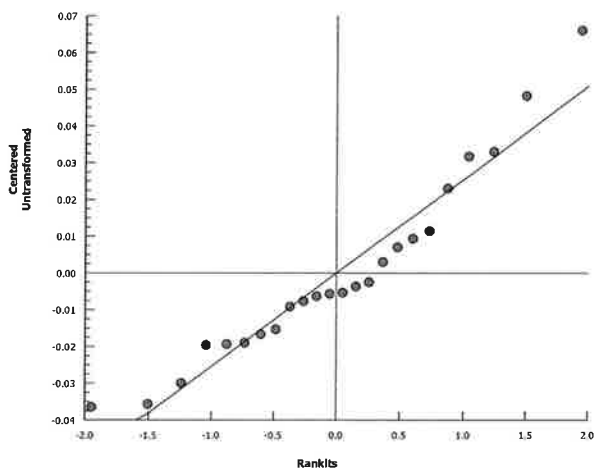
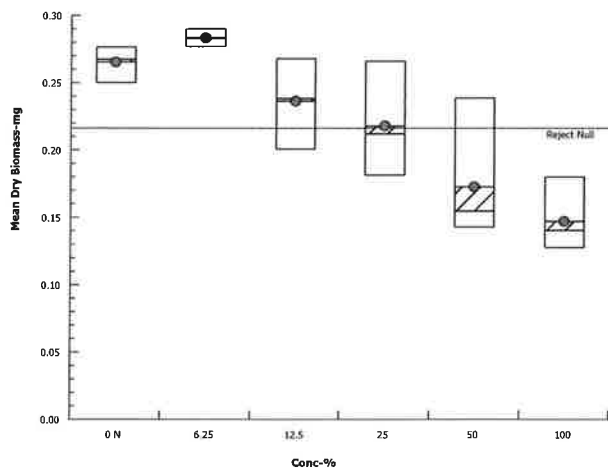
Analysis ID: 05-0069-9083 Endpoint: Mean Dry Biomass-mg
 Analyzed: 05 Jan-17 11:10 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
 Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.26	0.25	0.2747	0.2767
6.25		0.2767	0.2793	0.286	0.29
12.5		0.2173	0.268	0.2007	0.2593
25		0.1813	0.266	0.2087	0.2153
50		0.156	0.1533	0.1427	0.2387
100		0.1393	0.1413	0.1273	0.18

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 1 of 4)

Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-5284-0586	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 29 Nov-16 10:11	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 08-2433-2088	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 22 Nov-16 11:23	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 09:25	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 11-9291-7102	Code: VCF1116.215	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project:
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 38h (7.5 °C)	Station: MO-CAM	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits		Overlap	Decision
		Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	9.375	4.375	20.09	10.67	4.978	22.86
EC10	15.28	7.5	33.91	6.545	2.949	13.33
EC15	19.44	10.83	36.03	5.143	2.776	9.231
EC20	23.61	15.06	38.44	4.235	2.601	6.638
EC25	28.12	17.79	40.72	3.556	2.455	5.621
EC40	42.19	30.69	73.51	2.37	1.36	3.259
EC50	60	34.59	n/a	1.667	n/a	2.891

7d Survival Rate Summary

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	60	60
6.25		4	0.9667	0.9333	1.0000	0.0192	0.0385	3.98%	3.33%	58	60
12.5		4	0.9333	0.8667	1.0000	0.0385	0.0770	8.25%	6.67%	56	60
25		4	0.7833	0.6667	1.0000	0.0739	0.1478	18.87%	21.67%	47	60
50		4	0.5167	0.4000	0.7333	0.0739	0.1478	28.61%	48.33%	31	60
100		4	0.4333	0.3333	0.6000	0.0577	0.1155	26.65%	56.67%	26	60

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	0.9333	0.9333
12.5		0.8667	1.0000	0.8667	1.0000
25		0.6667	1.0000	0.7333	0.7333
50		0.4667	0.4667	0.4000	0.7333
100		0.4000	0.4000	0.3333	0.6000

7d Survival Rate Binomials

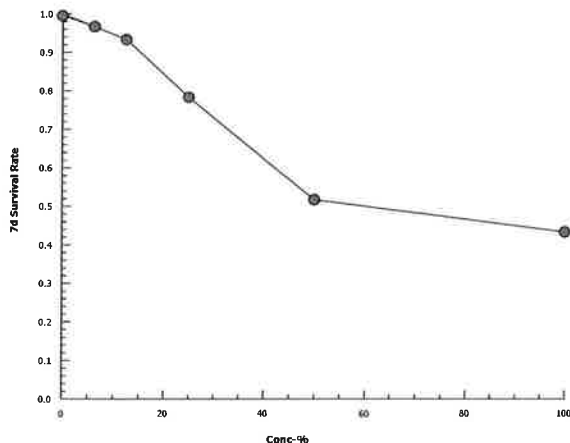
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
6.25		15/15	15/15	14/15	14/15
12.5		13/15	15/15	13/15	15/15
25		10/15	15/15	11/15	11/15
50		7/15	7/15	6/15	11/15
100		6/15	6/15	5/15	9/15

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 2 of 4)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test		Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 19-5284-0586	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2	
Analyzed: 29 Nov-16 10:11	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes	

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 3 of 4)

Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 04-3780-5913	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 05 Jan-17 11:10	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 08-2433-2088	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 22 Nov-16 11:23	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 09:25	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 11-9291-7102	Code: VCF1116.215	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project:
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 38h (7.5 °C)	Station: MO-CAM	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits		Overlap	Decision
		Lower	Upper		
Control Resp	0.2653	0.25	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	8.515	7.169	15.14	11.74	6.604	13.95
IC10	10.78	8.087	22.19	9.277	4.506	12.37
IC15	14.72	7.998	39.67	6.792	2.521	12.5
IC20	23.99	4.717	49.46	4.169	2.022	21.2
IC25	31.76	13.56	73.83	3.149	1.354	7.374
IC40	65.91	27.2	n/a	1.517	n/a	3.676
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.2653	0.25	0.2767	0.006319	0.01264	4.76%	0.0%
6.25		4	0.283	0.2767	0.29	0.003049	0.006098	2.16%	-6.66%
12.5		4	0.2363	0.2007	0.268	0.01624	0.03248	13.74%	10.93%
25		4	0.2178	0.1813	0.266	0.01766	0.03532	16.21%	17.9%
50		4	0.1727	0.1427	0.2387	0.02219	0.04438	25.70%	34.92%
100		4	0.147	0.1273	0.18	0.01143	0.02285	15.55%	44.6%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.26	0.25	0.2747	0.2767
6.25		0.2767	0.2793	0.286	0.29
12.5		0.2173	0.268	0.2007	0.2593
25		0.1813	0.266	0.2087	0.2153
50		0.156	0.1533	0.1427	0.2387
100		0.1393	0.1413	0.1273	0.18

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 4 of 4)

Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 04-3780-5913

Endpoint: Mean Dry Biomass-mg

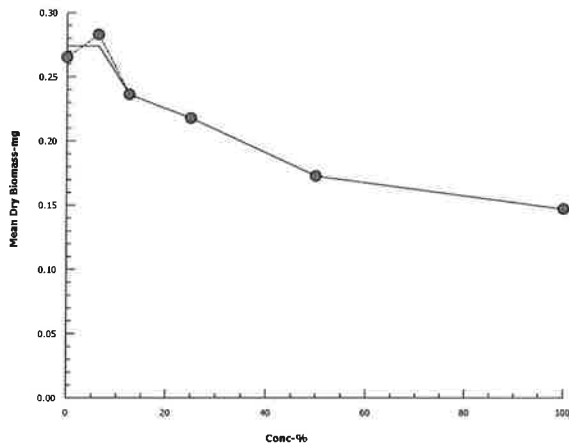
CETIS Version: CETISv1.9.2

Analyzed: 05 Jan-17 11:10

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 06 Jan-17 09:58 (p 1 of 2)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 08-2433-2088
Start Date: 22 Nov-16 11:23
Ending Date: 29 Nov-16 09:25
Duration: 6d 22h
Test Type: Growth-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Pimephales promelas
Source: Aquatic Biosystems, CO

Analyst:
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 11-9291-7102
Sample Date: 20 Nov-16 21:45
Receipt Date: 21 Nov-16 08:42
Sample Age: 38h (7.5 °C)
Code: VCF1116.215
Material: Sample Water
Source: Bioassay Report
Station: MO-CAM

Client: VCWPD
Project:

Alkalinity (CaCO₃)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	62.25	60.72	63.78	61	65	0.6478	1.832	2.94%	0
100		1	75			75	75	0	0	0.0%	0
Overall		9	63.67	60.14	67.19	61	75	1.528	4.583	7.20%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	329.2	321	337.5	319	348	3.509	9.925	3.01%	0
6.25		8	385.2	366.6	403.9	361	428	7.892	22.32	5.79%	0
12.5		8	372.2	366	378.5	360	385	2.664	7.536	2.02%	0
25		8	421.6	415.5	427.8	415	436	2.598	7.347	1.74%	0
50		8	481.5	391.8	571.2	217	536	37.95	107.3	22.29%	0
100		8	708.8	700.5	717	694	725	3.468	9.809	1.38%	0
Overall		48	449.8	411.1	488.5	217	725	19.24	133.3	29.63%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.738	7.571	7.904	7.5	8.1	0.07055	0.1996	2.58%	0
6.25		8	7.388	7.096	7.679	6.9	7.8	0.1231	0.3482	4.71%	0
12.5		8	7.4	7.1	7.7	7	7.8	0.1268	0.3586	4.85%	0
25		8	7.05	6.621	7.479	6.3	7.8	0.1813	0.5127	7.27%	0
50		8	6.6	5.655	7.545	4.4	8	0.3996	1.13	17.12%	0
100		8	6.263	5.147	7.378	4.1	8.6	0.4717	1.334	21.3%	0
Overall		48	7.073	6.814	7.332	4.1	8.6	0.1289	0.8932	12.63%	0 (0%)

Hardness (CaCO₃)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.75	85.42	94.08	86	96	1.83	5.175	5.77%	0
100		1	213			213	213	0	0	0.0%	0
Overall		9	103.4	71.65	135.2	86	213	13.79	41.37	39.99%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.863	7.722	8.003	7.5	8	0.05957	0.1685	2.14%	0
6.25		8	8.212	8.13	8.295	8.1	8.4	0.03504	0.0991	1.21%	0
12.5		8	8.075	7.898	8.252	7.8	8.4	0.075	0.2121	2.63%	0
25		8	7.95	7.841	8.059	7.7	8.1	0.04629	0.1309	1.65%	0
50		8	7.8	7.633	7.967	7.4	8	0.07071	0.2	2.56%	0
100		8	7.55	7.395	7.705	7.2	7.8	0.06547	0.1852	2.45%	0
Overall		48	7.908	7.831	7.986	7.2	8.4	0.03846	0.2664	3.37%	0 (0%)

CETIS Measurement Report

Report Date: 06 Jan-17 09:58 (p 2 of 2)
Test Code: VCF1116.215cf | 02-0862-2814

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24.29	23.82	24.76	24	25.5	0.1995	0.5643	2.32%	0
6.25		8	24.28	23.84	24.71	24	25.4	0.182	0.5148	2.12%	0
12.5		8	24.3	23.83	24.77	24	25.6	0.1991	0.5632	2.32%	0
25		8	24.25	23.88	24.62	24	25.3	0.1581	0.4472	1.84%	0
50		8	24.18	23.86	24.49	24	25.1	0.1346	0.3808	1.58%	0
100		8	24.16	23.84	24.48	24	25.1	0.1362	0.3852	1.59%	0
Overall		48	24.24	24.11	24.37	24	25.6	0.06623	0.4589	1.89%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	63	61	61	61	61	61	65	65
100		75							

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	336	320	319	326	324	325	336	348
6.25		361	390	365	393	363	388	394	428
12.5		375	368	360	369	371	371	379	385
25		422	416	419	416	420	415	429	436
50		514	512	507	514	217	532	520	536
100		699	694	709	703	713	714	713	725

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.6	7.8	7.9	7.6	7.8	7.5	8.1
6.25		7.7	7.3	7.8	7.8	7.3	7	6.9	7.3
12.5		7.7	7.6	7.8	7.8	7.1	7	7.2	7
25		7.8	7.2	7.7	7	6.3	6.6	6.8	7
50		8	4.4	6.9	7.4	6.5	5.6	7.2	6.8
100		8.6	6.8	6.9	4.1	5	6.1	6.3	6.3

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	96	86	86	86	86	86	96	96
100		213							

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.9	7.8	7.9	7.8	7.5	8	8
6.25		8.2	8.4	8.1	8.3	8.2	8.2	8.1	8.2
12.5		8.4	7.9	8.1	8	8.2	8.3	7.8	7.9
25		8	8.1	8.1	8	7.9	7.9	7.7	7.9
50		8	7.9	7.9	7.8	7.9	7.6	7.4	7.9
100		7.7	7.8	7.4	7.6	7.2	7.5	7.6	7.6

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24.8	24	24	24	24	25.5	24
6.25		24	24	24.7	24	24	24.1	25.4	24
12.5		24	24	24.6	24	24.1	24.1	25.6	24
25		24.2	24.1	24	24.4	24	24	25.3	24
50		24	24.2	24	24	24	24.1	25.1	24
100		24	24	24	24	24	24.2	25.1	24

January 7, 2017

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-HUE
DATE RECEIVED:	11/21/2016
ABC LAB. NO.:	VCF1116.216

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	50.00 %
	TU _c =	2.00
	IC25 =	60.53 %
	IC50 =	73.68 %

REPRODUCTION	NOEC =	25.00 %
	TU _c =	4.00
	IC25 =	37.80 %
	IC50 =	55.77 %

*NOTE: Salinity is 5g/L which is above the acceptable range for *Ceriodaphnia*.

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 06 Jan-17 09:58 (p 1 of 2)
Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 00-8587-1102	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 13:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 11:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 08-8553-6642	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Comments:

High Salinity 5ppt

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
13-1843-3425	7d Survival Rate	Fisher Exact/Bonferroni-Holm Test	50	100	70.71	2	n/a
09-6562-2405	Reproduction	Steel Many-One Rank Sum Test	25	50	35.36	4	27.0% ✓

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
08-0439-4297	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	50	2.5	52.5	2	
			EC10	52.63	5	55	1.9	
			EC15	55.26	50	57.5	1.81	
			EC20	57.89	52.94	60	1.727	
			EC25	60.53	55.88	62.5	1.652	
			EC40	68.42	64.71	70	1.462	
19-2008-7359	Reproduction	Linear Interpolation (ICPIN)	EC50	73.68	70.59	75	1.357	
			IC5	23.75	2.72	28.53	4.211	✓
			IC10	27.93	5.439	32.07	3.581	✓
			IC15	31.22	12.8	35.61	3.203	✓
			IC20	34.51	18.6	39.43	2.898	✓
			IC25	37.8	23.16	43.22	2.645	✓
			IC40	47.68	38.68	55.39	2.097	✓
			IC50	55.77	47.31	62.82	1.793	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
08-0439-4297	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Criteria
13-1843-3425	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Criteria
09-6562-2405	Reproduction	Control Resp	31.4	15	>>	Yes	Passes Criteria
19-2008-7359	Reproduction	Control Resp	31.4	15	>>	Yes	Passes Criteria
09-6562-2405	Reproduction	PMSD	0.2703	0.13	0.47	Yes	Passes Criteria

CETIS Summary Report

Report Date: 06 Jan-17 09:58 (p 2 of 2)
Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
6.25		10	0.9000	0.6738	1.0000	0.0000	1.0000	0.1000	0.3162	35.14%	10.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
25		10	0.9000	0.6738	1.0000	0.0000	1.0000	0.1000	0.3162	35.14%	10.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
100		10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	31.4	26.64	36.16	23	39	2.104	6.653	21.19%	0.00%
6.25		10	31.5	24.86	38.14	12	42	2.937	9.289	29.49%	-0.32%
12.5		10	34.3	27.04	41.56	12	47	3.211	10.15	29.61%	-9.24%
25		10	30.6	22.05	39.15	0	43	3.778	11.95	39.04%	2.55%
50		10	18.3	14.02	22.58	8	26	1.892	5.982	32.69%	41.72%
100		10	0.1	-0.1262	0.3262	0	1	0.1	0.3162	316.23%	99.68%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	39	29	37	25	26	34	24	38	23	39
6.25		33	30	34	28	12	29	42	41	42	24
12.5		36	28	35	29	30	12	43	47	42	41
25		0	29	41	35	33	33	25	35	43	32
50		19	18	26	21	10	8	25	14	22	20
100		0	0	0	0	1	0	0	0	0	0

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 1 of 2)
Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-6562-2405	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:45	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 00-8587-1102	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 13:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 11:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 08-8553-6642	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Comments:

High Salinity 5ppt

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	25	50	35.36	4	27.03%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	110.5	75	3	18	Asymp	0.9287	Non-Significant Effect
		12.5	120.5	75	1	18	Asymp	0.9913	Non-Significant Effect
		25	109	75	2	18	Asymp	0.9082	Non-Significant Effect
		50*	61	75	2	18	Asymp	0.0021	Significant Effect
		100*	55	75	0	18	Asymp	3.8E-04	Significant Effect

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	31.4	15	>>	Yes	Passes Criteria
PMSD	0.2703	0.13	0.47	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	8635.53	1727.11	5	25.14	<1.0E-37	Significant Effect
Error	3710.4	68.7111	54			
Total	12345.9		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	54.01	15.09	<1.0E-37	Unequal Variances
Variances	Levene Equality of Variance Test	2.879	3.377	0.0224	Equal Variances
Variances	Mod Levene Equality of Variance Test	2.356	3.377	0.0525	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	1.361	3.878	0.0010	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	3.14	2.576	0.0017	Non-Normal Distribution
Distribution	D'Agostino Skewness Test	3.817	2.576	1.4E-04	Non-Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	24.43	9.21	5.0E-06	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1516	0.1331	0.0015	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9015	0.9459	1.5E-04	Non-Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	10	31.4	26.64	36.16		23	39	2.104	21.19%	0.00%
6.25		10	31.5	24.86	38.14		12	42	2.937	29.49%	-0.32%
12.5		10	34.3	27.04	41.56		12	47	3.211	29.61%	-9.24%
25		10	30.6	22.05	39.15		0	43	3.778	39.04%	2.55%
50		10	18.3	14.02	22.58		8	26	1.892	32.69%	41.72%
100		10	0.1	-0.1262	0.3262		0	1	0.1	316.23%	99.68%

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 2 of 2)
Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID:	09-6562-2405	Endpoint:	Reproduction	CETIS Version:	CETISv1.9.2		
Analyzed:	06 Jan-17 9:45	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes		

Reproduction Detail											
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	39	29	37	25	26	34	24	38	23	39
6.25		33	30	34	28	12	29	42	41	42	24
12.5		36	28	35	29	30	12	43	47	42	41
25		0	29	41	35	33	33	25	35	43	32
50		19	18	26	21	10	8	25	14	22	20
100		0	0	0	0	1	0	0	0	0	0

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 1 of 4)

Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-0439-4297	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:45	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 00-8587-1102	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 13:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 11:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 08-8553-6642	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Comments:

High Salinity 5ppt

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	50	2.5	52.5	2	1.905	40
EC10	52.63	5	55	1.9	1.818	20
EC15	55.26	50	57.5	1.81	1.739	2
EC20	57.89	52.94	60	1.727	1.667	1.889
EC25	60.53	55.88	62.5	1.652	1.6	1.789
EC40	68.42	64.71	70	1.462	1.429	1.545
EC50	73.68	70.59	75	1.357	1.333	1.417

7d Survival Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
6.25		10	0.9000	0.0000	1.0000	0.1000	0.3162	35.14%	10.0%	9	10
12.5		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
25		10	0.9000	0.0000	1.0000	0.1000	0.3162	35.14%	10.0%	9	10
50		10	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	10	10
100		10	0.0000	0.0000	0.0000	0.0000	0.0000		100.0%	0	10

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 2 of 4)
Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-0439-4297
Analyzed: 06 Jan-17 9:45

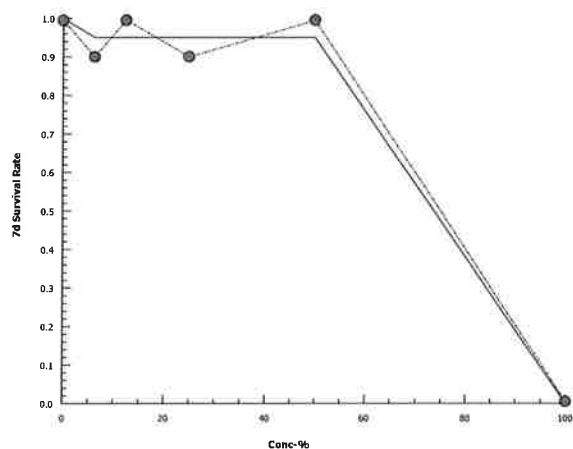
Endpoint: 7d Survival Rate
Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 3 of 4)

Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-2008-7359	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:45	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 00-8587-1102	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 13:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 29 Nov-16 11:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 08-8553-6642	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Comments:

High Salinity 5ppt

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	947960	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	31.4	15	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	23.75	2.72	28.53	4.211	3.505	36.77
IC10	27.93	5.439	32.07	3.581	3.118	18.39
IC15	31.22	12.8	35.61	3.203	2.808	7.815
IC20	34.51	18.6	39.43	2.898	2.536	5.375
IC25	37.8	23.16	43.22	2.645	2.314	4.318
IC40	47.68	38.68	55.39	2.097	1.805	2.585
IC50	55.77	47.31	62.82	1.793	1.592	2.114

Reproduction Summary

			Calculated Variate						
Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	10	31.4	23	39	2.104	6.653	21.19%	0.0%
6.25		10	31.5	12	42	2.937	9.289	29.49%	-0.32%
12.5		10	34.3	12	47	3.211	10.15	29.61%	-9.24%
25		10	30.6	0	43	3.778	11.95	39.04%	2.55%
50		10	18.3	8	26	1.892	5.982	32.69%	41.72%
100		10	0.1	0	1	0.1	0.3162	316.20%	99.68%

Reproduction Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	39	29	37	25	26	34	24	38	23	39
6.25		33	30	34	28	12	29	42	41	42	24
12.5		36	28	35	29	30	12	43	47	42	41
25		0	29	41	35	33	33	25	35	43	32
50		19	18	26	21	10	8	25	14	22	20
100		0	0	0	0	1	0	0	0	0	0

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 4 of 4)
Test Code: VCF1116.216cc | 17-2725-1188

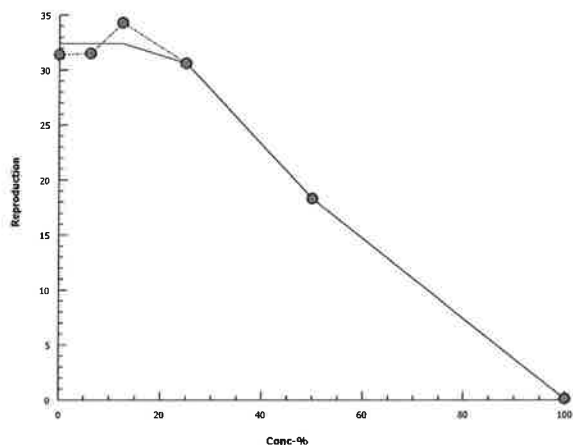
Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 19-2008-7359 Endpoint: Reproduction
Analyzed: 06 Jan-17 9:45 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 1 of 2)

Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 13-1843-3425	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2			
Analyzed: 06 Jan-17 9:45	Analysis: STP 2xK Contingency Tables	Official Results: Yes			
Batch ID: 00-8587-1102	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas			
Start Date: 22 Nov-16 13:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 29 Nov-16 11:45	Species: Ceriodaphnia dubia	Brine: Not Applicable			
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 08-8553-6642	Code: VCF1116.216	Client: VCWPD			
Sample Date: 20 Nov-16 21:45	Material: Sample Water	Project: 2016/17-2 (Wet)			
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report				
Sample Age: 40h	Station: MO-HUE				

Comments:
High Salinity 5ppt

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU
Untransformed	C > T	50	100	70.71	2

Fisher Exact/Bonferroni-Holm Test

Control	vs	Group	Test Stat	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	0.5000	Exact	1.0000	Non-Significant Effect
		12.5	1.0000	Exact	1.0000	Non-Significant Effect
		25	0.5000	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100*	0.0000	Exact	2.7E-05	Significant Effect

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Criteria

Data Summary

Conc-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	N	10	0	10	1	0	0.0%
6.25		9	1	10	0.9	0.1	10.0%
12.5		10	0	10	1	0	0.0%
25		9	1	10	0.9	0.1	10.0%
50		10	0	10	1	0	0.0%
100		0	10	10	0	1	100.0%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	N	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1

CETIS Analytical Report

Report Date: 06 Jan-17 09:58 (p 2 of 2)

Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

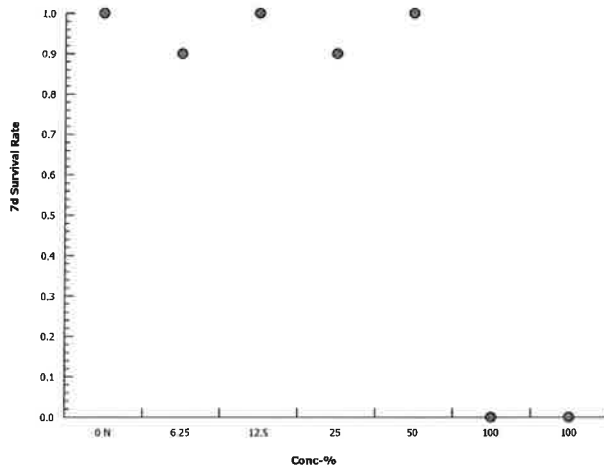
Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 13-1843-3425
Analyzed: 06 Jan-17 9:45

Endpoint: 7d Survival Rate
Analysis: STP 2xK Contingency Tables

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 06 Jan-17 09:58 (p 1 of 2)
Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 00-8587-1102
Start Date: 22 Nov-16 13:45
Ending Date: 29 Nov-16 11:45
Duration: 6d 22h
Test Type: Reproduction-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Ceriodaphnia dubia
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 08-8553-6642
Sample Date: 20 Nov-16 21:45
Receipt Date: 21 Nov-16 08:42
Sample Age: 40h
Code: VCF1116.216
Material: Sample Water
Source: Bioassay Report
Station: MO-HUE

Client: VCWPD
Project: 2016/17-2 (Wet)

Comments:

High Salinity 5ppt

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	61.38	60.94	61.81	61	62	0.183	0.5175	0.84%	0
100		8	224	224	224	224	224	0	0	0.0%	0
Overall		16	142.7	97.94	187.4	61	224	20.99	83.98	58.86%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	333.4	329.1	337.6	327	343	1.802	5.097	1.53%	0
6.25		8	820	799.5	840.5	794	864	8.689	24.58	3.0%	0
12.5		8	1320	1302	1337	1284	1340	7.557	21.37	1.62%	0
25		8	2306	2148	2464	1996	2445	66.8	188.9	8.19%	0
50		8	4762	3884	5640	4352	7359	371.2	1050	22.05%	0
100		6	8216	8139	8294	8122	8280	30.01	73.5	0.89%	0
Overall		46	2731	1946	3516	327	8280	389.6	2642	96.74%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.925	7.554	8.296	7.6	9	0.1567	0.4432	5.59%	0
6.25		8	8	7.725	8.275	7.7	8.6	0.1165	0.3295	4.12%	0
12.5		8	7.988	7.696	8.279	7.6	8.6	0.1231	0.3482	4.36%	0
25		8	7.975	7.599	8.351	7.6	8.7	0.159	0.4496	5.64%	0
50		8	7.788	7.44	8.135	7.3	8.5	0.1469	0.4155	5.34%	0
100		6	7.433	6.801	8.065	6.5	8.4	0.2459	0.6022	8.1%	0
Overall		46	7.87	7.737	8.002	6.5	9	0.06586	0.4467	5.68%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	89.88	87.71	92.04	88	93	0.9149	2.588	2.88%	0
100		8	230	230	230	230	230	0	0	0.0%	0
Overall		16	159.9	121.4	198.5	88	230	18.1	72.38	45.26%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.925	7.654	8.196	7.3	8.3	0.1146	0.324	4.09%	0
6.25		8	7.363	7.135	7.59	7	7.8	0.09625	0.2722	3.7%	0
12.5		8	7.363	7.179	7.546	7	7.7	0.07778	0.22	2.99%	0
25		8	7.275	7.151	7.399	7	7.5	0.05261	0.1488	2.05%	0
50		8	7.225	7.065	7.385	7	7.6	0.06748	0.1909	2.64%	0
100		6	7.15	7.062	7.238	7	7.2	0.03416	0.08366	1.17%	0
Overall		46	7.393	7.294	7.493	7	8.3	0.04919	0.3336	4.51%	0 (0%)

CETIS Measurement Report

Report Date: 06 Jan-17 09:58 (p 2 of 2)
 Test Code: VCF1116.216cc | 17-2725-1188

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24	24	24	24	24	0	0	0.0%	0
6.25		8	24.01	23.98	24.04	24	24.1	0.01249	0.03531	0.15%	0
12.5		8	24.03	23.97	24.08	24	24.2	0.02499	0.07069	0.29%	0
25		8	24.05	23.96	24.14	24	24.3	0.0378	0.1069	0.44%	0
50		8	24.06	23.96	24.16	24	24.3	0.04199	0.1188	0.49%	0
100		8	24.09	23.95	24.22	24	24.4	0.05806	0.1642	0.68%	0
Overall		48	24.04	24.01	24.07	24	24.4	0.0142	0.09837	0.41%	0 (0%)

Alkalinity (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	62	62	62	61	61	61	61	61
100		224	224	224	224	224	224	224	224

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	329	335	334	334	336	343	329	327
6.25		812	815	794	799	810	815	851	864
12.5		1323	1330	1284	1288	1328	1340	1329	1335
25		2445	2445	2404	2415	1996	2012	2354	2376
50		4352	4356	4379	4380	4375	7359	4425	4472
100		8280	8220	8130	8122	8279	8268		

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.6	7.8	7.8	7.8	7.9	7.7	7.8	9
6.25		7.8	7.7	7.7	7.7	8.2	8.6	8.2	8.1
12.5		7.8	7.6	7.8	7.6	8.2	8.6	8.2	8.1
25		7.6	7.7	7.6	7.6	8	8.6	8.7	8
50		7.3	7.5	7.5	7.5	7.8	8.5	8.2	8
100		6.5	7.4	7.4	7.5	7.4	8.4		

Hardness (CaCO3)-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	93	93	93	88	88	88	88	88
100		230	230	230	230	230	230	230	230

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.3	7.8	8.1	8.1	7.9	8.2	7.7	8.3
6.25		7	7.5	7.8	7.5	7	7.3	7.3	7.5
12.5		7	7.2	7.4	7.7	7.3	7.6	7.3	7.4
25		7	7.2	7.3	7.3	7.2	7.3	7.4	7.5
50		7	7.1	7.1	7.2	7.2	7.2	7.4	7.6
100		7	7.1	7.2	7.2	7.2	7.2		

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24	24	24	24	24	24
6.25		24	24	24	24.1	24	24	24	24
12.5		24	24	24	24.2	24	24	24	24
25		24	24.1	24	24	24.3	24	24	24
50		24	24.2	24	24.3	24	24	24	24
100		24	24.3	24	24	24.4	24	24	24

January 6, 2017

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Estuarine Organisms*, EPA/821/R-02-014. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-HUE
DATE RECEIVED:	11/21/2016
ABC LAB. NO.:	VCF1116.216


CHRONIC TOPSMELT SURVIVAL AND GROWTH BIOASSAY

Survival	NOEC =	100.00
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Biomass	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

*NOTE: Topsmelt run because salinity was 5g/L.

Yours very truly,


F. Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 06 Jan-17 09:57 (p 1 of 2)

Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-8612-2226	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 14:49	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 29 Nov-16 12:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-6695-0374	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 22:40	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
04-0448-8084	7d Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	9.1%	
09-7666-2120	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	100	> 100	n/a	1	41.9%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
20-1446-6951	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	>100	n/a	n/a	<1	✓
			EC10	>100	n/a	n/a	<1	✓
			EC15	>100	n/a	n/a	<1	✓
			EC20	>100	n/a	n/a	<1	✓
			EC25	>100	n/a	n/a	<1	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
03-1453-1675	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	>100	n/a	n/a	<1	✓
			IC10	>100	n/a	n/a	<1	✓
			IC15	>100	n/a	n/a	<1	✓
			IC20	>100	n/a	n/a	<1	✓
			IC25	>100	n/a	n/a	<1	✓
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits			Overlap	Decision
				Lower	Upper			
04-0448-8084	7d Survival Rate	Control Resp	0.96	0.8	>>		Yes	Passes Criteria
20-1446-6951	7d Survival Rate	Control Resp	0.96	0.8	>>		Yes	Passes Criteria
03-1453-1675	Mean Dry Biomass-mg	Control Resp	0.9976	0.85	>>		Yes	Passes Criteria
09-7666-2120	Mean Dry Biomass-mg	Control Resp	0.9976	0.85	>>		Yes	Passes Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	0.9600	0.8489	1.0000	0.8000	1.0000	0.0400	0.0894	9.32%	0.00%
6.25		5	0.9600	0.8489	1.0000	0.8000	1.0000	0.0400	0.0894	9.32%	0.00%
12.5		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%
25		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%
50		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%
100		5	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	0.9976	0.7987	1.196	0.82	1.2	0.07164	0.1602	16.06%	0.00%
6.25		5	1.22	0.8366	1.603	0.922	1.722	0.1381	0.3088	25.31%	-22.29%
12.5		5	1.501	1.136	1.866	1.234	1.976	0.1315	0.294	19.59%	-50.48%
25		5	1.652	1.136	2.168	1.224	2.138	0.1858	0.4155	25.15%	-65.64%
50		5	1.359	1.011	1.707	1.07	1.798	0.1254	0.2804	20.63%	-36.25%
100		5	1.32	1.184	1.457	1.124	1.38	0.0492	0.11	8.33%	-32.36%

CETIS Summary Report

Report Date: 06 Jan-17 09:57 (p 2 of 2)

Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	0.8000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	0.8000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	0.82	1.1	1.2	1.01	0.858
6.25		1.044	1.138	1.722	0.922	1.274
12.5		1.418	1.976	1.234	1.57	1.308
25		1.224	1.24	1.968	2.138	1.692
50		1.38	1.382	1.798	1.07	1.166
100		1.124	1.364	1.362	1.372	1.38

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	4/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	4/5	5/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 1 of 4)
Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 04-0448-8084	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:55	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 15-8612-2226	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 14:49	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 29 Nov-16 12:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-6695-0374	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 22:40	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.10%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	27.5	16	2	8	Asymp	0.8333	Non-Significant Effect
		12.5	30	16	1	8	Asymp	0.9446	Non-Significant Effect
		25	30	16	1	8	Asymp	0.9446	Non-Significant Effect
		50	30	16	1	8	Asymp	0.9446	Non-Significant Effect
		100	30	16	1	8	Asymp	0.9446	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.96	0.8	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0151221	0.0030244	5	0.8	0.5606	Non-Significant Effect
Error	0.0907326	0.0037805	24			
Total	0.105855		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	5.689	3.895	0.0013	Unequal Variances
Variances	Mod Levene Equality of Variance Test	0.8	4.248	0.5640	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	5.866	3.878	<1.0E-37	Non-Normal Distribution
Distribution	D'Agostino Kurtosis Test	3.762	2.576	1.7E-04	Non-Normal Distribution
Distribution	D'Agostino Skewness Test	4.626	2.576	3.7E-06	Non-Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	35.55	9.21	<1.0E-37	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.4333	0.1853	3.4E-16	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.5454	0.9031	1.7E-08	Non-Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	0.9600	0.8489	1.0000	1.0000	0.8000	1.0000	0.0400	9.32%	0.00%
6.25		5	0.9600	0.8489	1.0000	1.0000	0.8000	1.0000	0.0400	9.32%	0.00%
12.5		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-4.17%
25		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-4.17%
50		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-4.17%
100		5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-4.17%

CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 2 of 4)
Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 04-0448-8084 Endpoint: 7d Survival Rate
Analyzed: 06 Jan-17 9:55 Analysis: Nonparametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	1.298	1.165	1.43	1.345	1.107	1.345	0.04763	8.21%	0.00%
6.25		5	1.298	1.165	1.43	1.345	1.107	1.345	0.04763	8.21%	0.00%
12.5		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-3.67%
25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-3.67%
50		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-3.67%
100		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-3.67%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	0.8000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	0.8000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

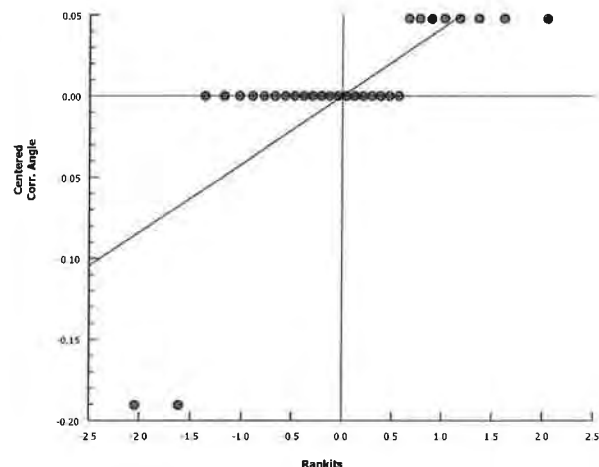
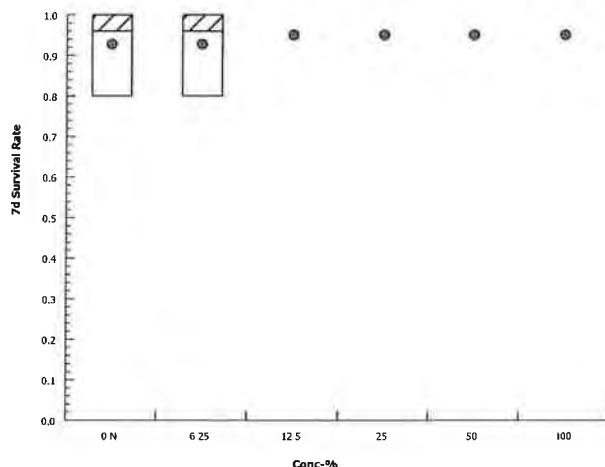
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	1.107	1.345	1.345	1.345	1.345
6.25		1.345	1.345	1.345	1.107	1.345
12.5		1.345	1.345	1.345	1.345	1.345
25		1.345	1.345	1.345	1.345	1.345
50		1.345	1.345	1.345	1.345	1.345
100		1.345	1.345	1.345	1.345	1.345

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	4/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	4/5	5/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 3 of 4)
Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 09-7666-2120	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2					
Analyzed: 06 Jan-17 9:55	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 15-8612-2226	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 22 Nov-16 14:49	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater					
Ending Date: 29 Nov-16 12:50	Species: Atherinops affinis	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 06-6695-0374	Code: VCF1116.216	Client: VCWPD					
Sample Date: 20 Nov-16 22:40	Material: Sample Water	Project: 2016/17-2 (Wet)					
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report						
Sample Age: 40h	Station: MO-HUE						

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	100	> 100	n/a	1	41.94%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-1.255	2.362	0.418	8	CDF	0.9920	Non-Significant Effect
		12.5	-2.842	2.362	0.418	8	CDF	1.0000	Non-Significant Effect
		25	-3.696	2.362	0.418	8	CDF	1.0000	Non-Significant Effect
		50	-2.041	2.362	0.418	8	CDF	0.9994	Non-Significant Effect
		100	-1.822	2.362	0.418	8	CDF	0.9987	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9976	0.85	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.27975	0.25595	5	3.262	0.0218	Significant Effect
Error	1.88333	0.0784721	24			
Total	3.16308		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	6.945	15.09	0.2248	Equal Variances
Variances	Levene Equality of Variance Test	1.763	3.895	0.1587	Equal Variances
Variances	Mod Levene Equality of Variance Test	2.147	4.248	0.1062	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.7524	3.878	0.0499	Normal Distribution
Distribution	D'Agostino Kurtosis Test	0.1039	2.576	0.9172	Normal Distribution
Distribution	D'Agostino Skewness Test	1.183	2.576	0.2368	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	1.41	9.21	0.4940	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1603	0.1853	0.0477	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9378	0.9031	0.0795	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	5	0.9976	0.7987	1.196	1.01	0.82	1.2	0.07164	16.06%	0.00%
6.25		5	1.22	0.8366	1.603	1.138	0.922	1.722	0.1381	25.31%	-22.29%
12.5		5	1.501	1.136	1.866	1.418	1.234	1.976	0.1315	19.59%	-50.48%
25		5	1.652	1.136	2.168	1.692	1.224	2.138	0.1858	25.15%	-65.64%
50		5	1.359	1.011	1.707	1.38	1.07	1.798	0.1254	20.63%	-36.25%
100		5	1.32	1.184	1.457	1.364	1.124	1.38	0.0492	8.33%	-32.36%

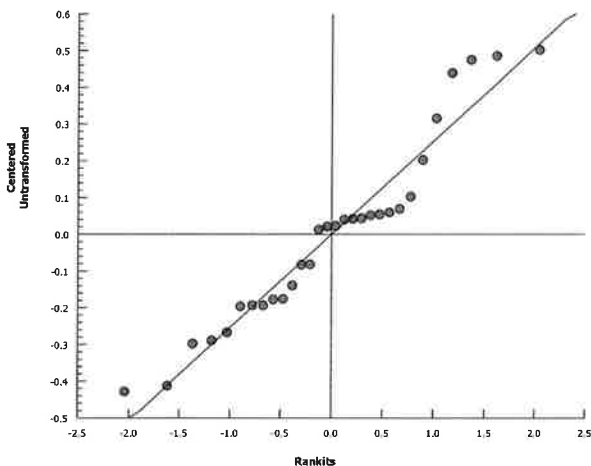
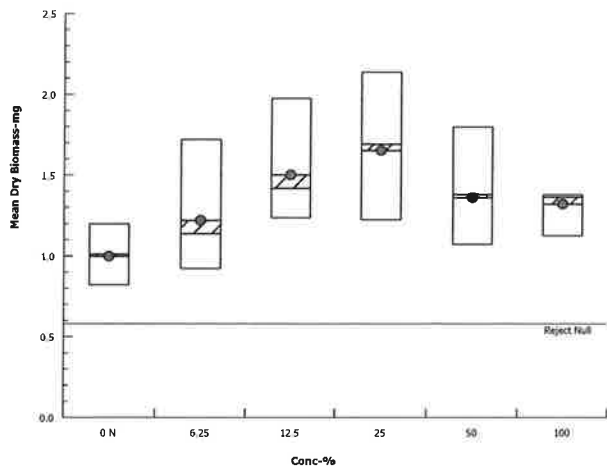
Pacific Topsmelt 7-d Survival and Growth Test Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-7666-2120	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:55	Analysis: Parametric-Control vs Treatments	Official Results: Yes

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	0.82	1.1	1.2	1.01	0.858
6.25		1.044	1.138	1.722	0.922	1.274
12.5		1.418	1.976	1.234	1.57	1.308
25		1.224	1.24	1.968	2.138	1.692
50		1.38	1.382	1.798	1.07	1.166
100		1.124	1.364	1.362	1.372	1.38

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 1 of 4)

Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 20-1446-6951	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:56	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 15-8612-2226	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 14:49	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 29 Nov-16 12:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-6695-0374	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 22:40	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	0.96	0.8	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	n/a	n/a	<1	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	5	0.9600	0.8000	1.0000	0.0400	0.0894	9.32%	0.0%	24	25
6.25		5	0.9600	0.8000	1.0000	0.0400	0.0894	9.32%	0.0%	24	25
12.5		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%	25	25
25		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%	25	25
50		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%	25	25
100		5	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-4.17%	25	25

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	0.8000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	0.8000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	4/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	4/5	5/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 2 of 4)

Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

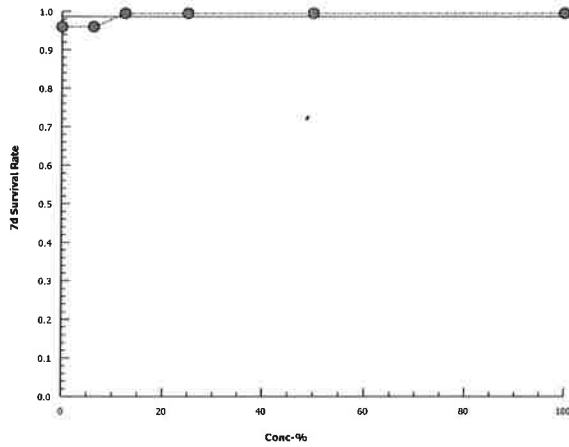
Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 20-1446-6951
Analyzed: 06 Jan-17 9:56

Endpoint: 7d Survival Rate
Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 3 of 4)

Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 03-1453-1675	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 06 Jan-17 9:56	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 15-8612-2226	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 14:49	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 29 Nov-16 12:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-6695-0374	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 22:40	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	269459	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	0.9976	0.85	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	n/a	n/a	<1	n/a	n/a
IC10	>100	n/a	n/a	<1	n/a	n/a
IC15	>100	n/a	n/a	<1	n/a	n/a
IC20	>100	n/a	n/a	<1	n/a	n/a
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	5	0.9976	0.82	1.2	0.07164	0.1602	16.06%	0.0%
6.25		5	1.22	0.922	1.722	0.1381	0.3088	25.31%	-22.29%
12.5		5	1.501	1.234	1.976	0.1315	0.294	19.59%	-50.48%
25		5	1.652	1.224	2.138	0.1858	0.4155	25.15%	-65.64%
50		5	1.359	1.07	1.798	0.1254	0.2804	20.63%	-36.25%
100		5	1.32	1.124	1.38	0.0492	0.11	8.33%	-32.36%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	N	0.82	1.1	1.2	1.01	0.858
6.25		1.044	1.138	1.722	0.922	1.274
12.5		1.418	1.976	1.234	1.57	1.308
25		1.224	1.24	1.968	2.138	1.692
50		1.38	1.382	1.798	1.07	1.166
100		1.124	1.364	1.362	1.372	1.38

CETIS Analytical Report

Report Date: 06 Jan-17 09:57 (p 4 of 4)

Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 03-1453-1675

Endpoint: Mean Dry Biomass-mg

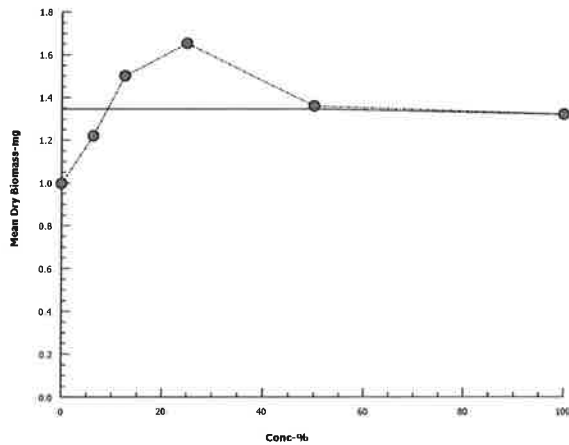
CETIS Version: CETISv1.9.2

Analyzed: 06 Jan-17 9:56

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 06 Jan-17 09:57 (p 1 of 2)
Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-8612-2226	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 22 Nov-16 14:49	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 29 Nov-16 12:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-6695-0374	Code: VCF1116.216	Client: VCWPD
Sample Date: 20 Nov-16 22:40	Material: Sample Water	Project: 2016/17-2 (Wet)
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 40h	Station: MO-HUE	

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.363	7	7.725	6.9	7.9	0.1535	0.434	5.9%	0
6.25		8	7.238	6.928	7.547	6.8	7.8	0.1308	0.3701	5.11%	0
12.5		8	7.237	6.9	7.575	6.7	7.8	0.1426	0.4033	5.57%	0
25		8	7.2	6.875	7.525	6.7	7.7	0.1376	0.3891	5.41%	0
50		8	7.125	6.823	7.427	6.7	7.7	0.1278	0.3615	5.07%	0
100		8	6.863	6.537	7.188	6.1	7.5	0.1375	0.3889	5.67%	0
Overall		48	7.171	7.054	7.288	6.1	7.9	0.05804	0.4021	5.61%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.213	6.962	7.463	6.8	7.6	0.106	0.2997	4.16%	0
6.25		8	7.612	7.508	7.717	7.4	7.8	0.04407	0.1246	1.64%	0
12.5		8	7.65	7.573	7.727	7.5	7.8	0.03273	0.09258	1.21%	0
25		8	7.675	7.568	7.782	7.5	7.9	0.04532	0.1282	1.67%	0
50		8	7.712	7.659	7.766	7.6	7.8	0.02266	0.06409	0.83%	0
100		8	7.762	7.674	7.851	7.6	7.9	0.0375	0.1061	1.37%	0
Overall		48	7.604	7.536	7.672	6.8	7.9	0.03394	0.2352	3.09%	0 (0%)

Salinity-ppt

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	25	25	25	25	25	0	0	0.0%	0
6.25		8	25	25	25	25	25	0	0	0.0%	0
12.5		8	25	25	25	25	25	0	0	0.0%	0
25		8	25	25	25	25	25	0	0	0.0%	0
50		8	25	25	25	25	25	0	0	0.0%	0
100		8	25	25	25	25	25	0	0	0.0%	0
Overall		48	25	25	25	25	25	0	0	0.00%	0 (0%)

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	21	21	21	21	21	0	0	0.0%	0
6.25		8	21	21	21	21	21	0	0	0.0%	0
12.5		8	21	21	21	21	21	0	0	0.0%	0
25		8	21	21	21	21	21	0	0	0.0%	0
50		8	21	21	21	21	21	0	0	0.0%	0
100		8	21	21	21	21	21	0	0	0.0%	0
Overall		48	21	21	21	21	21	0	0	0.00%	0 (0%)

CETIS Measurement Report

Report Date: 06 Jan-17 09:57 (p 2 of 2)
Test Code: VCF1116.216t | 13-1406-0566

Pacific Topsmelt 7-d Survival and Growth Test Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L									
Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.1	7	6.9	6.9	7.9	7.6	7.6	7.9
6.25		7.2	7	6.8	6.8	7.8	7.5	7.6	7.2
12.5		7.2	7	6.7	6.8	7.8	7.5	7.7	7.2
25		7.1	7.1	6.7	6.8	7.7	7.5	7.7	7
50		7	7	6.7	6.8	7.5	7.4	7.7	6.9
100		6.1	7	6.7	6.8	7	6.9	7.5	6.9

pH-Units									
Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7	7.4	7.5	7.6	6.8	7.4	7.1	6.9
6.25		7.8	7.7	7.6	7.7	7.4	7.6	7.6	7.5
12.5		7.8	7.7	7.6	7.7	7.5	7.7	7.6	7.6
25		7.9	7.8	7.6	7.7	7.5	7.7	7.6	7.6
50		7.7	7.8	7.7	7.7	7.6	7.8	7.7	7.7
100		7.7	7.8	7.7	7.7	7.6	7.9	7.8	7.9

Salinity-ppt									
Conc-%	Code	1	2	3	4	5	6	7	8
0	N	25	25	25	25	25	25	25	25
6.25		25	25	25	25	25	25	25	25
12.5		25	25	25	25	25	25	25	25
25		25	25	25	25	25	25	25	25
50		25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25

Temperature-°C									
Conc-%	Code	1	2	3	4	5	6	7	8
0	N	21	21	21	21	21	21	21	21
6.25		21	21	21	21	21	21	21	21
12.5		21	21	21	21	21	21	21	21
25		21	21	21	21	21	21	21	21
50		21	21	21	21	21	21	21	21
100		21	21	21	21	21	21	21	21



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 1

Sampling Date: 11/20/2016

Project Number: 2016/17-2 (Wet)

Sampling Team: Arne A., Dean W., Steven G.

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR					X				2	Note 1, Note 2, Note 3
MO-CAM	11-20-16 21:45					X			2	Note 1, Note 2, Note 3
MO-HUE	11-20-16 22:40						X		2	Note 1, Note 2, Note 3, Note 4

CAM = HUE
 7.5% = 0.0%
 20.1 = 20.1
 3.0 = 1.0

Relinquished Printed Name Steven S. Green
 Signature [Signature]
 Affiliation VCWPD Date/Time 11/21/2016 0842

Received Printed Name EMILY MATHIAS
 Signature [Signature]
 Affiliation ABC LABS Date/Time 11-21-16 0842

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.
Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*

January 25, 2017

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-CAM TIE 45µm Filtration
DATE RECEIVED:	11/21/2016
ABC LAB. NO.:	VCF1116.215

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	PERCENT EFFECT = 0.00%
BIOMASS	PERCENT EFFECT = 3.51%

***NOTE: TIE 45µm Filtration.** Toxicity was reduced from 31.67% effect in the undiluted sample to 0.00% effect in the 45µm filtered sample. It is our opinion that the toxicity in this sample was caused by a species of freshwater algae. The dissolved oxygen in primary testing declined during the incubation periods which led us to believe algae could be the culprit. Upon filtering the sample it was noted the filter appeared to turn green during the process. Once filtered the sample did not experience a drop in dissolved oxygen. Due to these lines of evidence we suspect toxicity exhibited by this sample to be caused by freshwater algae present in solution.

Yours very truly,


R. Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 25 Jan-17 11:40 (p 1 of 1)
 Test Code: VCF1116.215Fil | 19-9440-8710

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 08-8081-5329	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 13 Dec-16 15:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 20 Dec-16 13:30	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 10-4066-7227	Code: VCF1116.215TIE	Client: VCWPD
Sample Date: 20 Nov-16 11:45	Material: Sample Water	Project: TIE
Receipt Date: 21 Nov-16 08:42	Source: Bioassay Report	
Sample Age: 23d 4h	Station: MO-CAM	

Comments:
 TIE 45um Filtration

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
15-8818-1635	7d Survival Rate	Wilcoxon Rank Sum Two-Sample Test	0.7857	100% passed 7d survival rate
14-2337-4423	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test	0.2719	100% passed mean dry biomass-mg

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
15-8818-1635	7d Survival Rate	Control Resp	0.9833	0.8	>>	Yes	Passes Criteria
14-2337-4423	Mean Dry Biomass-mg	Control Resp	0.2988	0.25	>>	Yes	Passes Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.9833	0.9303	1.0000	0.9333	1.0000	0.0167	0.0333	3.39%	0.00%
100		4	0.9833	0.9303	1.0000	0.9333	1.0000	0.0167	0.0333	3.39%	0.00%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.2988	0.2675	0.3302	0.2787	0.3233	0.00986	0.01972	6.60%	0.00%
100		4	0.2883	0.2469	0.3297	0.274	0.3273	0.01301	0.02602	9.03%	3.51%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	1.0000	1.0000
100		0.9333	1.0000	1.0000	1.0000

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3053	0.2787	0.3233	0.288
100		0.2753	0.2767	0.274	0.3273

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	15/15	15/15
100		14/15	15/15	15/15	15/15

CETIS Analytical Report

Report Date: 25 Jan-17 11:40 (p 1 of 4)
Test Code: VCF1116.215Fil | 19-9440-8710

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	15-8818-1635	Endpoint:	7d Survival Rate	CETIS Version:	CETISv1.9.2
Analyzed:	25 Jan-17 11:40	Analysis:	Nonparametric-Two Sample	Official Results:	Yes
Batch ID:	08-8081-5329	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	13 Dec-16 15:30	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	20 Dec-16 13:30	Species:	Pimephales promelas	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	10-4066-7227	Code:	VCF1116.215TIE	Client:	VCWPD
Sample Date:	20 Nov-16 11:45	Material:	Sample Water	Project:	TIE
Receipt Date:	21 Nov-16 08:42	Source:	Bioassay Report		
Sample Age:	23d 4h	Station:	MO-CAM		

Comments:
TIE 45um Filtration

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 7d survival rate	4.67%

Wilcoxon Rank Sum Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		100	18	n/a	2	6	Exact	0.7857	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9833	0.8	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0	0	1	0	1.0000	Non-Significant Effect
Error	0.026016	0.004336	6			
Total	0.026016		7			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	0	13.75	1.0000	Equal Variances
Variances	Mod Levene Equality of Variance Test	0	13.75	1.0000	Equal Variances
Variances	Variance Ratio F Test	1	47.47	1.0000	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	1.973	3.878	<1.0E-37	Non-Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.4554	0.3313	2.1E-05	Non-Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.5659	0.6451	6.3E-05	Non-Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.9833	0.9303	1.0000	1.0000	0.9333	1.0000	0.0167	3.39%	0.00%
100		4	0.9833	0.9303	1.0000	1.0000	0.9333	1.0000	0.0167	3.39%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	0.00%
100		4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	0.00%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9333	1.0000	1.0000	1.0000
100		0.9333	1.0000	1.0000	1.0000

CETIS Analytical Report

Report Date: 25 Jan-17 11:40 (p 2 of 4)
 Test Code: VCF1116.215Fil | 19-9440-8710

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 15-8818-1635 Endpoint: 7d Survival Rate
 Analyzed: 25 Jan-17 11:40 Analysis: Nonparametric-Two Sample

CETIS Version: CETISv1.9.2
 Official Results: Yes

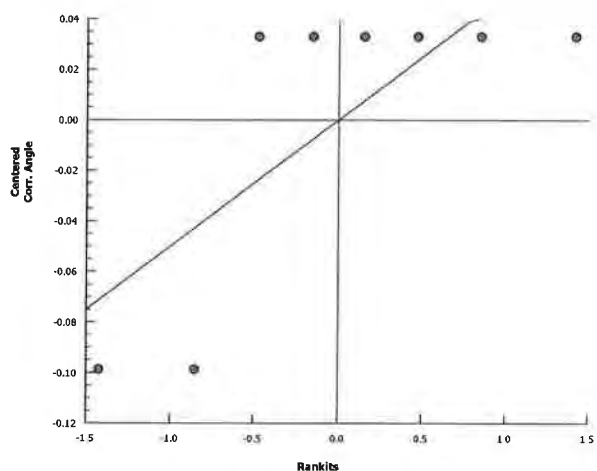
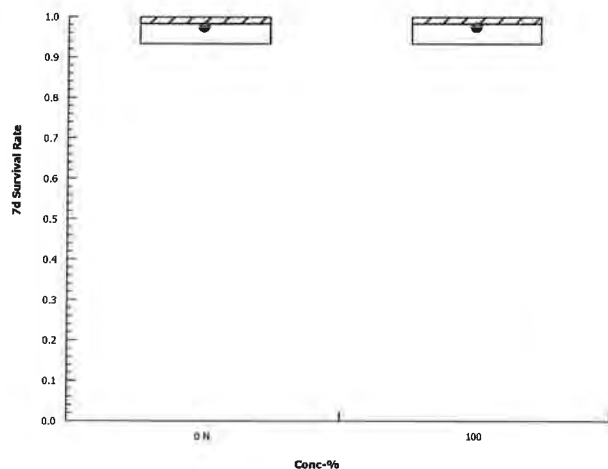
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.31	1.441	1.441	1.441
100		1.31	1.441	1.441	1.441

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	14/15	15/15	15/15	15/15
100		14/15	15/15	15/15	15/15

Graphics



CETIS Analytical Report

Report Date: 25 Jan-17 11:40 (p 3 of 4)
Test Code: VCF1116.215Fil | 19-9440-8710

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	14-2337-4423	Endpoint:	Mean Dry Biomass-mg	CETIS Version:	CETISv1.9.2
Analyzed:	25 Jan-17 11:39	Analysis:	Parametric-Two Sample	Official Results:	Yes
Batch ID:	08-8081-5329	Test Type:	Growth-Survival (7d)	Analyst:	Joe Freas
Start Date:	13 Dec-16 15:30	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	20 Dec-16 13:30	Species:	Pimephales promelas	Brine:	Not Applicable
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	10-4066-7227	Code:	VCF1116.215TIE	Client:	VCWPD
Sample Date:	20 Nov-16 11:45	Material:	Sample Water	Project:	TIE
Receipt Date:	21 Nov-16 08:42	Source:	Bioassay Report		
Sample Age:	23d 4h	Station:	MO-CAM		

Comments:
TIE 45um Filtration

Data Transform	Alt Hyp	Comparison Result	PMSD
Untransformed	C > T	100% passed mean dry biomass-mg	10.62%

Equal Variance t Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		100	0.6432	1.943	0.032	6	CDF	0.2719	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.2988	0.25	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0002205	0.0002205	1	0.4137	0.5439	Non-Significant Effect
Error	0.0031981	0.0005330	6			
Total	0.0034186		7			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	0.2681	13.75	0.6231	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.01905	13.75	0.8947	Equal Variances
Variances	Variance Ratio F Test	1.741	47.47	0.6599	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.7494	3.878	0.0508	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.3189	0.3313	0.0163	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.8307	0.6451	0.0604	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.2988	0.2675	0.3302	0.2967	0.2787	0.3233	0.00986	6.60%	0.00%
100		4	0.2883	0.2469	0.3297	0.276	0.274	0.3273	0.01301	9.03%	3.51%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.3053	0.2787	0.3233	0.288
100		0.2753	0.2767	0.274	0.3273

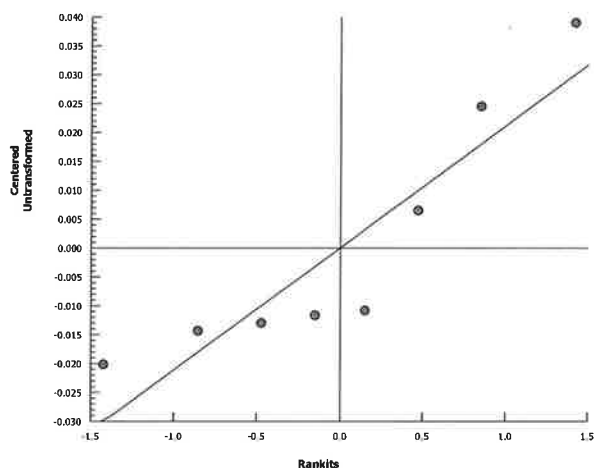
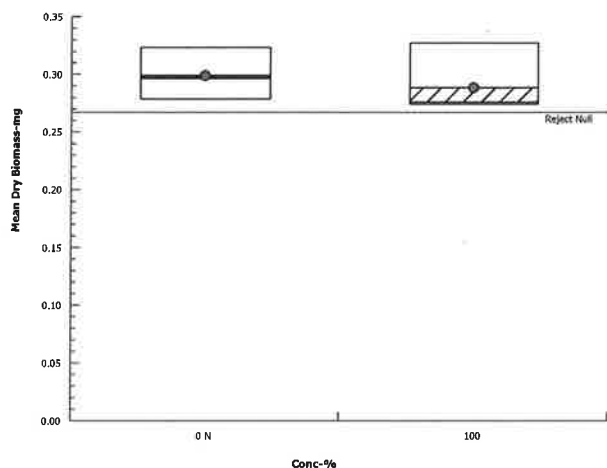
Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 14-2337-4423 Endpoint: Mean Dry Biomass-mg
 Analyzed: 25 Jan-17 11:39 Analysis: Parametric-Two Sample

CETIS Version: CETISv1.9.2
 Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 25 Jan-17 11:40 (p 1 of 2)
Test Code: VCF1116.215Fil | 19-9440-8710

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 08-8081-5329
Start Date: 13 Dec-16 15:30
Ending Date: 20 Dec-16 13:30
Duration: 6d 22h
Test Type: Growth-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Pimephales promelas
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 10-4066-7227
Sample Date: 20 Nov-16 11:45
Receipt Date: 21 Nov-16 08:42
Sample Age: 23d 4h
Code: VCF1116.215TIE
Material: Sample Water
Source: Bioassay Report
Station: MO-CAM

Client: VCWPD
Project: TIE

Comments:
TIE 45um Filtration

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	1	61			61	61	0	0	0.0%	0
100		1	69			69	69	0	0	0.0%	0
Overall		2	65	14.18	115.8	61	69	4	5.657	8.70%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.863	7.336	8.389	7.3	9.3	0.2228	0.6301	8.01%	0
100		8	7.85	7.732	7.968	7.7	8.1	0.05	0.1414	1.8%	0
Overall		16	7.856	7.621	8.091	7.3	9.3	0.1103	0.4412	5.62%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	1	84			84	84	0	0	0.0%	0
100		1	138			138	138	0	0	0.0%	0
Overall		2	111	-232.1	454.1	84	138	27	38.18	34.40%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	8.038	7.904	8.171	7.8	8.2	0.0565	0.1598	1.99%	0
100		8	7.85	7.724	7.976	7.6	8	0.05345	0.1512	1.93%	0
Overall		16	7.944	7.848	8.039	7.6	8.2	0.04469	0.1788	2.25%	0 (0%)

Salinity-ppt

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	0	0	0	0	0	0	0		0
100		8	0	0	0	0	0	0	0		0
Overall		16	0	0	0	0	0	0	0	#Num!	0 (0%)

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24	24	24	24	24	0	0	0.0%	0
100		8	24.05	23.93	24.17	24	24.4	0.05	0.1414	0.59%	0
Overall		16	24.02	23.97	24.08	24	24.4	0.025	0.1	0.42%	0 (0%)

CETIS Measurement Report

Report Date: 25 Jan-17 11:40 (p 2 of 2)
Test Code: VCF1116.215Fil | 19-9440-8710

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO₃)-mg/L

Conc-%	Code	1
0	N	61
100		69

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8	7.5	7.9	7.8	7.7	7.4	7.3	9.3
100		7.8	7.9	7.8	7.7	7.7	8	8.1	7.8

Hardness (CaCO₃)-mg/L

Conc-%	Code	1
0	N	84
100		138

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8.1	7.8	8	7.8	8.1	8.2	8.1	8.2
100		7.6	7.7	7.8	7.8	8	8	7.9	8

Salinity-ppt

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	0	0	0	0	0	0	0	0
100		0	0	0	0	0	0	0	0

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24	24	24	24	24	24
100		24	24	24	24	24.4	24	24	24

January 25, 2017

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-CAM TIE BASELINE
DATE RECEIVED:	11/21/2016
ABC LAB. NO.:	VCF1116.215


CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL PERCENT EFFECT = 31.67%

BIOMASS PERCENT EFFECT = 21.91%

*NOTE: TIE Initiated due to 56.67% effect in initial test and client approval.

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 25 Jan-17 11:32 (p 1 of 2)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-9137-5191	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 29 Nov-16 13:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 06 Dec-16 11:55	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0627-8157	Code: VCF1116.215Bas	Client: VCWPD
Sample Date: 20 Nov-16	Material: Sample Water	Project: TIE
Receipt Date: 22 Nov-16	Source: Bioassay Report	
Sample Age: 9d 14h	Station: MO-CAM	

Comments:
TIE BASELINE

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD	✓
03-1954-1442	7d Survival Rate	Dunnett Multiple Comparison Test	< 30	30	n/a	>3.333	8.92%	✓
08-7119-2691	Mean Dry Biomass-mg	Dunnett Multiple Comparison Test	60	100	77.46	1.667	18.6%	

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
16-8846-0853	7d Survival Rate	Linear Interpolation (ICPIN)	EC5	12.86	6.686	28.29	7.778	✓
			EC10	25.71	13.37	48.57	3.889	✓
			EC15	40	19.2	76.92	2.5	✓
			EC20	55	28.71	95	1.818	✓
			EC25	73.33	34.55	n/a	1.364	✓
			EC40	>100	n/a	n/a	<1	✓
			EC50	>100	n/a	n/a	<1	✓
05-0696-1533	Mean Dry Biomass-mg	Linear Interpolation (ICPIN)	IC5	60.06	n/a	89.07	1.665	
			IC10	71.58	n/a	111.3	1.397	
			IC15	83.09	14.58	n/a	1.204	
			IC20	94.6	51.32	n/a	1.057	
			IC25	>100	n/a	n/a	<1	
			IC40	>100	n/a	n/a	<1	✓
			IC50	>100	n/a	n/a	<1	✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
03-1954-1442	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Criteria
16-8846-0853	7d Survival Rate	Control Resp	1	0.8	>>	Yes	Passes Criteria
05-0696-1533	Mean Dry Biomass-mg	Control Resp	0.3233	0.25	>>	Yes	Passes Criteria
08-7119-2691	Mean Dry Biomass-mg	Control Resp	0.3233	0.25	>>	Yes	Passes Criteria
08-7119-2691	Mean Dry Biomass-mg	PMSD	0.1859	0.12	0.3	Yes	Passes Criteria

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.00%
30		4	0.8833	0.7818	0.9849	0.8000	0.9333	0.0319	0.0638	7.23%	11.67%
60		4	0.7833	0.5825	0.9841	0.6000	0.8667	0.0631	0.1262	16.11%	21.67%
100		4	0.6833	0.5022	0.8645	0.5333	0.8000	0.0569	0.1139	16.66%	31.67%

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3233	0.2397	0.407	0.2667	0.3927	0.02628	0.05255	16.25%	0.00%
30		4	0.327	0.2847	0.3693	0.2967	0.3607	0.01328	0.02656	8.12%	-1.13%
60		4	0.309	0.2624	0.3556	0.2807	0.3413	0.01466	0.02932	9.49%	4.43%
100		4	0.2525	0.1975	0.3075	0.21	0.2947	0.01728	0.03457	13.69%	21.91%

CETIS Summary Report

Report Date: 25 Jan-17 11:32 (p 2 of 2)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
30		0.9333	0.8000	0.9333	0.8667
60		0.8667	0.8000	0.8667	0.6000
100		0.6667	0.7333	0.8000	0.5333

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.2667	0.3073	0.3927	0.3267
30		0.32	0.2967	0.3307	0.3607
60		0.3413	0.288	0.326	0.2807
100		0.252	0.2947	0.2533	0.21

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
30		14/15	12/15	14/15	13/15
60		13/15	12/15	13/15	9/15
100		10/15	11/15	12/15	8/15

CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 1 of 4)
Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID: 03-1954-1442	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2			
Analyzed: 25 Jan-17 11:31	Analysis: Parametric-Control vs Treatments	Official Results: Yes			
Batch ID: 15-9137-5191	Test Type: Growth-Survival (7d)	Analyst: Joe Freas			
Start Date: 29 Nov-16 13:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 06 Dec-16 11:55	Species: Pimephales promelas	Brine: Not Applicable			
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 18-0627-8157	Code: VCF1116.215Bas	Client: VCWPD			
Sample Date: 20 Nov-16	Material: Sample Water	Project: TIE			
Receipt Date: 22 Nov-16	Source: Bioassay Report				
Sample Age: 9d 14h	Station: MO-CAM				

Comments:
TIE BASELINE

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	< 30	30	n/a	>3.333	8.92%

Dunnett Multiple Comparison Test

Control	vs	Control II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		30*	2.77	2.287	0.174	6	CDF	0.0214	Significant Effect
		60*	4.535	2.287	0.174	6	CDF	9.3E-04	Significant Effect
		100*	6.107	2.287	0.174	6	CDF	7.4E-05	Significant Effect

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.474797	0.158266	3	13.71	3.5E-04	Significant Effect
Error	0.138522	0.0115435	12			
Total	0.613319		15			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	2.894	5.953	0.0791	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.793	5.953	0.2021	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.6644	3.878	0.0830	Normal Distribution
Distribution	D'Agostino Skewness Test	1.539	2.576	0.1238	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1875	0.2471	0.1396	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9144	0.8408	0.1369	Normal Distribution

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
30		4	0.8833	0.7818	0.9849	0.9000	0.8000	0.9333	0.0319	7.23%	11.67%
60		4	0.7833	0.5825	0.9841	0.8333	0.6000	0.8667	0.0631	16.11%	21.67%
100		4	0.6833	0.5022	0.8645	0.7000	0.5333	0.8000	0.0569	16.66%	31.67%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.441	1.441	1.442	1.441	1.441	1.441	0	0.00%	0.00%
30		4	1.231	1.075	1.387	1.253	1.107	1.31	0.04904	7.97%	14.60%
60		4	1.097	0.8633	1.33	1.152	0.8861	1.197	0.07337	13.38%	23.90%
100		4	0.9773	0.7823	1.172	0.9917	0.8188	1.107	0.06128	12.54%	32.19%

CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 2 of 4)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 03-1954-1442

Endpoint: 7d Survival Rate

CETIS Version: CETISv1.9.2

Analyzed: 25 Jan-17 11:31

Analysis: Parametric-Control vs Treatments

Official Results: Yes

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
30		0.9333	0.8000	0.9333	0.8667
60		0.8667	0.8000	0.8667	0.6000
100		0.6667	0.7333	0.8000	0.5333

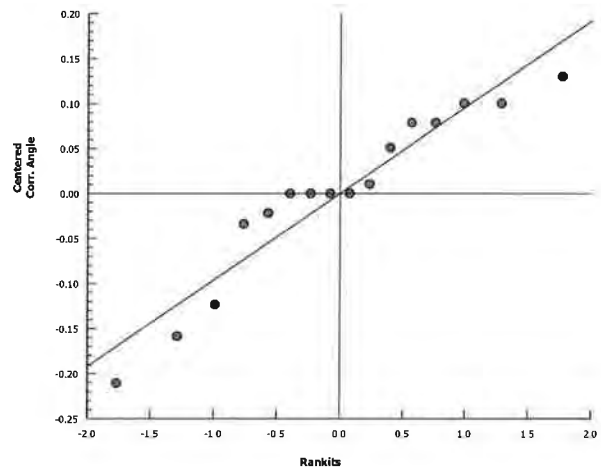
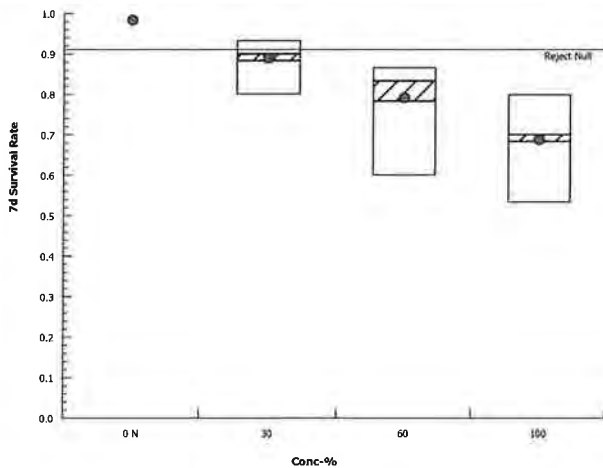
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.441	1.441	1.441	1.441
30		1.31	1.107	1.31	1.197
60		1.197	1.107	1.197	0.8861
100		0.9553	1.028	1.107	0.8188

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
30		14/15	12/15	14/15	13/15
60		13/15	12/15	13/15	9/15
100		10/15	11/15	12/15	8/15

Graphics



CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 3 of 4)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-7119-2691	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 25 Jan-17 11:31	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 15-9137-5191	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 29 Nov-16 13:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 06 Dec-16 11:55	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0627-8157	Code: VCF1116.215Bas	Client: VCWPD
Sample Date: 20 Nov-16	Material: Sample Water	Project: TIE
Receipt Date: 22 Nov-16	Source: Bioassay Report	
Sample Age: 9d 14h	Station: MO-CAM	

Comments:
TIE BASELINE

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	C > T	60	100	77.46	1.667	18.59%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		30	-0.1396	2.287	0.060	6	CDF	0.7969	Non-Significant Effect
		60	0.5456	2.287	0.060	6	CDF	0.5258	Non-Significant Effect
		100*	2.696	2.287	0.060	6	CDF	0.0244	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.3233	0.25	>>	Yes	Passes Criteria
PMSD	0.1859	0.12	0.3	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0143028	0.0047676	3	3.454	0.0514	Non-Significant Effect
Error	0.0165648	0.0013804	12			
Total	0.0308675		15			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	1.57	11.34	0.6662	Equal Variances
Variances	Levene Equality of Variance Test	0.5152	5.953	0.6795	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.4985	5.953	0.6902	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.1943	3.878	0.9422	Normal Distribution
Distribution	D'Agostino Skewness Test	0.6274	2.576	0.5304	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1436	0.2471	0.5357	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9825	0.8408	0.9805	Normal Distribution

Mean Dry Biomass-mg Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.3233	0.2397	0.407	0.317	0.2667	0.3927	0.02628	16.25%	0.00%
30		4	0.327	0.2847	0.3693	0.3253	0.2967	0.3607	0.01328	8.12%	-1.13%
60		4	0.309	0.2624	0.3556	0.307	0.2807	0.3413	0.01466	9.49%	4.43%
100		4	0.2525	0.1975	0.3075	0.2527	0.21	0.2947	0.01728	13.69%	21.91%

Mean Dry Biomass-mg Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.2667	0.3073	0.3927	0.3267
30		0.32	0.2967	0.3307	0.3607
60		0.3413	0.288	0.326	0.2807
100		0.252	0.2947	0.2533	0.21

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-7119-2691

Endpoint: Mean Dry Biomass-mg

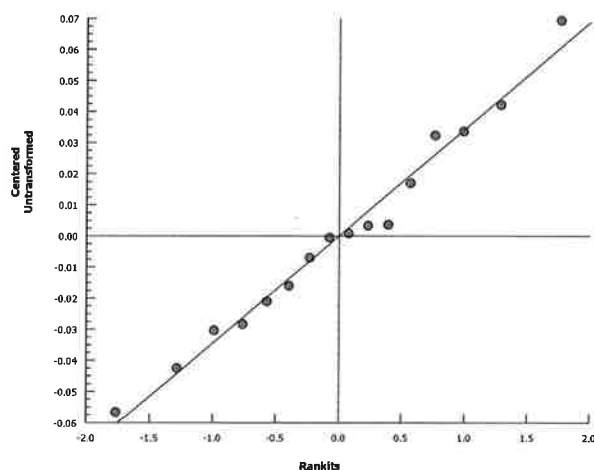
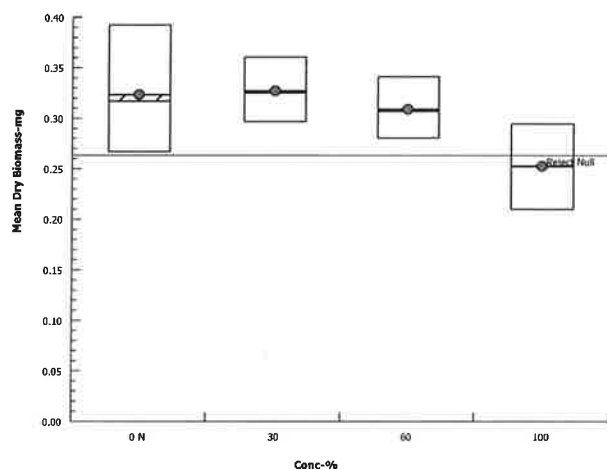
CETIS Version: CETISv1.9.2

Analyzed: 25 Jan-17 11:31

Analysis: Parametric-Control vs Treatments

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 1 of 4)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 16-8846-0853	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 25 Jan-17 11:31	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 15-9137-5191	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 29 Nov-16 13:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 06 Dec-16 11:55	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0627-8157	Code: VCF1116.215Bas	Client: VCWPD
Sample Date: 20 Nov-16	Material: Sample Water	Project: TIE
Receipt Date: 22 Nov-16	Source: Bioassay Report	
Sample Age: 9d 14h	Station: MO-CAM	

Comments:
TIE BASELINE

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits		Overlap	Decision
Attribute	Test Stat	Lower	Upper		
Control Resp	1	0.8	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	12.86	6.686	28.29	7.778	3.535	14.96
EC10	25.71	13.37	48.57	3.889	2.059	7.479
EC15	40	19.2	76.92	2.5	1.3	5.208
EC20	55	28.71	95	1.818	1.053	3.483
EC25	73.33	34.55	n/a	1.364	n/a	2.895
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

7d Survival Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%	60	60
30		4	0.8833	0.8000	0.9333	0.0319	0.0638	7.23%	11.67%	53	60
60		4	0.7833	0.6000	0.8667	0.0631	0.1262	16.11%	21.67%	47	60
100		4	0.6833	0.5333	0.8000	0.0569	0.1139	16.66%	31.67%	41	60

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.0000	1.0000	1.0000	1.0000
30		0.9333	0.8000	0.9333	0.8667
60		0.8667	0.8000	0.8667	0.6000
100		0.6667	0.7333	0.8000	0.5333

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	15/15	15/15	15/15	15/15
30		14/15	12/15	14/15	13/15
60		13/15	12/15	13/15	9/15
100		10/15	11/15	12/15	8/15

CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 2 of 4)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 16-8846-0853

Endpoint: 7d Survival Rate

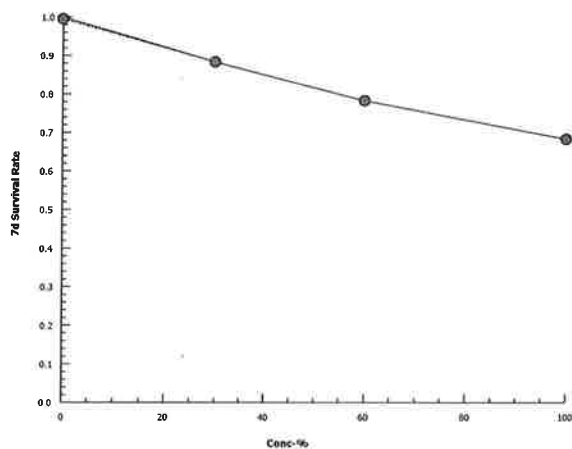
CETIS Version: CETISv1.9.2

Analyzed: 25 Jan-17 11:31

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 3 of 4)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-0696-1533	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 25 Jan-17 11:31	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 15-9137-5191	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 29 Nov-16 13:55	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 06 Dec-16 11:55	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-0627-8157	Code: VCF1116.215Bas	Client: VCWPD
Sample Date: 20 Nov-16	Material: Sample Water	Project: TIE
Receipt Date: 22 Nov-16	Source: Bioassay Report	
Sample Age: 9d 14h	Station: MO-CAM	

Comments:
TIE BASELINE

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	207559	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.3233	0.25	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	60.06	n/a	89.07	1.665	1.123	n/a
IC10	71.58	n/a	111.3	1.397	0.8986	n/a
IC15	83.09	14.58	n/a	1.204	n/a	6.858
IC20	94.6	51.32	n/a	1.057	n/a	1.949
IC25	>100	n/a	n/a	<1	n/a	n/a
IC40	>100	n/a	n/a	<1	n/a	n/a
IC50	>100	n/a	n/a	<1	n/a	n/a

Mean Dry Biomass-mg Summary

Calculated Variate

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.3233	0.2667	0.3927	0.02628	0.05255	16.25%	0.0%
30		4	0.327	0.2967	0.3607	0.01328	0.02656	8.12%	-1.13%
60		4	0.309	0.2807	0.3413	0.01466	0.02932	9.49%	4.43%
100		4	0.2525	0.21	0.2947	0.01728	0.03457	13.69%	21.91%

Mean Dry Biomass-mg Detail

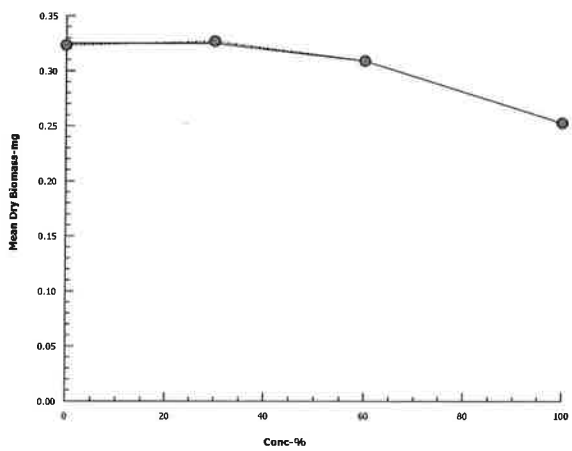
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.2667	0.3073	0.3927	0.3267
30		0.32	0.2967	0.3307	0.3607
60		0.3413	0.288	0.326	0.2807
100		0.252	0.2947	0.2533	0.21

CETIS Analytical Report

Report Date: 25 Jan-17 11:32 (p 4 of 4)
Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test		Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 05-0696-1533	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2	
Analyzed: 25 Jan-17 11:31	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes	

Graphics



CETIS Measurement Report

Report Date: 25 Jan-17 11:32 (p 1 of 2)
Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-9137-5191
Start Date: 29 Nov-16 13:55
Ending Date: 06 Dec-16 11:55
Duration: 6d 22h
Test Type: Growth-Survival (7d)
Protocol: EPA/821/R-02-013 (2002)
Species: Pimephales promelas
Source: Aquatic Biosystems, CO

Analyst: Joe Freas
Diluent: Laboratory Water
Brine: Not Applicable
Age:

Sample ID: 18-0627-8157
Sample Date: 20 Nov-16
Receipt Date: 22 Nov-16
Sample Age: 9d 14h
Code: VCF1116.215Bas
Material: Sample Water
Source: Bioassay Report
Station: MO-CAM

Client: VCWPD
Project: TIE

Comments:
TIE BASELINE

Alkalinity (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	1	61			61	61	0	0	0.0%	0
100		1	57			57	57	0	0	0.0%	0
Overall		2	59	33.59	84.41	57	61	2	2.828	4.79%	0 (0%)

Conductivity-µmhos

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	328.6	324	333.3	323	339	1.972	5.579	1.7%	0
30		8	309	205.1	412.8	4.9	395	43.91	124.2	40.2%	0
60		8	352.4	349.7	355	349	357	1.117	3.159	0.9%	0
100		8	373	369.6	376.4	368	380	1.427	4.036	1.08%	0
Overall		32	340.7	317.7	363.8	4.9	395	11.32	64.02	18.79%	0 (0%)

Dissolved Oxygen-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.988	7.745	8.23	7.7	8.6	0.1025	0.29	3.63%	0
30		8	15.31	-3.854	34.48	5.8	72	8.105	22.93	149.7%	0
60		8	7.187	6.33	8.045	5.8	8.9	0.3627	1.026	14.27%	0
100		8	6.575	5.469	7.681	4.7	8.1	0.4678	1.323	20.12%	0
Overall		32	9.266	5.121	13.41	4.7	72	2.032	11.5	124.10%	0 (0%)

Hardness (CaCO3)-mg/L

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	1	88			88	88	0	0	0.0%	0
100		1	145			145	145	0	0	0.0%	0
Overall		2	116.5	-245.6	478.6	88	145	28.5	40.31	34.60%	0 (0%)

pH-Units

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	7.838	7.729	7.946	7.7	8.1	0.04605	0.1302	1.66%	0
30		8	7.863	7.8	7.925	7.7	7.9	0.0263	0.07439	0.95%	0
60		8	7.7	7.611	7.789	7.5	7.8	0.0378	0.1069	1.39%	0
100		8	7.525	7.312	7.738	7.1	7.9	0.09014	0.255	3.39%	0
Overall		32	7.731	7.658	7.804	7.1	8.1	0.03576	0.2023	2.62%	0 (0%)

Temperature-°C

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	8	24	24	24	24	24	0	0	0.0%	0
30		8	24.01	23.98	24.04	24	24.1	0.01249	0.03531	0.15%	0
60		8	24.01	23.98	24.04	24	24.1	0.01249	0.03531	0.15%	0
100		8	24.01	23.98	24.04	24	24.1	0.01249	0.03531	0.15%	0
Overall		32	24.01	24	24.02	24	24.1	0.005235	0.02961	0.12%	0 (0%)

CETIS Measurement Report

Report Date: 25 Jan-17 11:32 (p 2 of 2)

Test Code: VCF1116.215BI | 00-5536-4847

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO₃)-mg/L

Conc-%	Code	1
0	N	61
100		57

Conductivity-µmhos

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	327	339	324	323	333	330	323	330
30		4.9	354	395	341	340	339	347	351
60		357	355	352	350	350	349	350	356
100		370	376	373	371	370	368	376	380

Dissolved Oxygen-mg/L

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	8.2	8	7.7	7.9	7.8	7.9	7.8	8.6
30		5.8	6.6	6.3	7.2	7.7	7.7	7.5	8.9
60		5.8	6.6	6.3	7.9	7.7	7.7	8.9	6.6
100		8.1	5.3	5.5	4.7	7.8	7.6	7.5	6.1

Hardness (CaCO₃)-mg/L

Conc-%	Code	1
0	N	88
30		
60		
100		145

pH-Units

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	7.8	7.8	7.7	7.7	7.8	7.9	7.9	8.1
30		7.7	7.9	7.9	7.8	7.9	7.9	7.9	7.9
60		7.6	7.7	7.7	7.7	7.8	7.8	7.5	7.8
100		7.9	7.4	7.1	7.6	7.8	7.4	7.4	7.6

Temperature-°C

Conc-%	Code	1	2	3	4	5	6	7	8
0	N	24	24	24	24	24	24	24	24
30		24	24	24	24	24	24	24.1	24
60		24	24	24	24.1	24	24	24	24
100		24	24.1	24	24	24	24	24	24



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 1

Sampling Date: 11/20/2016

Project Number: 2016/17-2 (Wet)

Sampling Team: Arne A., Dean W., Steven G.

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR					X				2	Note 1, Note 2, Note 3
MO-CAM	11-20-16 2:145					X			2	Note 1, Note 2, Note 3
MO-HUE	11-20-16 22:40						X		2	Note 1, Note 2, Note 3, Note 4

CAM = HUE
 7.5%
 20.1 = 20.1
 3.0 = 1.0

Relinquished Printed Name Steven S. Green
 Signature [Signature]
 Affiliation VCWPD Date/Time 11/21/2016 0842

Received Printed Name ELIZABETH MATHIAS
 Signature [Signature]
 Affiliation ABC LABS. Date/Time 11-21-16 0842

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.
Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*

January 25, 2017

Mr. Arnie Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:


We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms*, EPA-600/R95/136, 1995. Results were as follows:

CLIENT:	County of Ventura
SAMPLE I.D.:	ME-SCR
DATE RECEIVED:	1/5/2017
ABC LAB. NO.:	VCF0117.015

CHRONIC SEA URCHIN FERTILIZATION BIOASSAY

NOEC	=	100.00 %
TUc	=	1.00
IC25	=	>100.00 %
IC50	=	>100.00 %

Yours very truly,


Fe/s Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 25 Jan-17 15:09 (p 1 of 1)
Test Code: VCF0117.015uf | 07-1639-0130

Purple Sea Urchin Sperm Cell Fertilization Test				Aquatic Bioassay & Consulting Labs, Inc.	
Batch ID:	14-2366-3156	Test Type:	Fertilization	Analyst:	Joe Freas
Start Date:	05 Jan-17 13:36	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	05 Jan-17 14:16	Species:	Strongylocentrotus purpuratus	Brine:	Not Applicable
Duration:	40m	Source:	David Gutoff	Age:	
Sample ID:	01-0109-3223	Code:	VCF0117.015u	Client:	VCWPD
Sample Date:	05 Jan-17 09:30	Material:	Sample Water	Project:	2016/17-4(Wet)
Receipt Date:	05 Jan-17 11:11	Source:	Bioassay Report		
Sample Age:	4h (12.6 °C)	Station:	ME-SCR		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
10-0945-8890	Fertilization Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	9.61%

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	%	95% LCL	95% UCL	TU	✓
17-9579-2574	Fertilization Rate	Linear Interpolation (ICPIN)	EC5	65.99	n/a	n/a	1.515	
			EC10	>100	n/a	n/a	<1	
			EC15	>100	n/a	n/a	<1	
			EC20	>100	n/a	n/a	<1	
			EC25	>100	n/a	n/a	<1	
			EC40	>100	n/a	n/a	<1	
			EC50	>100	n/a	n/a	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits		Overlap	Decision
				Lower	Upper		
10-0945-8890	Fertilization Rate	Control Resp	0.9425	0.7	>>	Yes	Passes Criteria
17-9579-2574	Fertilization Rate	Control Resp	0.9425	0.7	>>	Yes	Passes Criteria

Fertilization Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	N	4	0.9425	0.9186	0.9664	0.9300	0.9600	0.0075	0.0150	1.59%	0.00%
6.25		4	0.9450	0.8687	1.0000	0.8900	0.9900	0.0240	0.0480	5.07%	-0.27%
12.5		4	0.9750	0.9371	1.0000	0.9500	1.0000	0.0119	0.0238	2.44%	-3.45%
25		4	0.9200	0.8202	1.0000	0.8400	0.9700	0.0314	0.0627	6.82%	2.39%
50		4	0.9225	0.8597	0.9853	0.8900	0.9800	0.0197	0.0395	4.28%	2.12%
100		4	0.8750	0.7864	0.9636	0.8000	0.9300	0.0278	0.0557	6.36%	7.16%

Fertilization Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9300	0.9500	0.9300	0.9600
6.25		0.9900	0.8900	0.9800	0.9200
12.5		0.9600	0.9900	0.9500	1.0000
25		0.9700	0.9000	0.8400	0.9700
50		0.9100	0.9800	0.9100	0.8900
100		0.8700	0.9000	0.9300	0.8000

Fertilization Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	93/100	95/100	93/100	96/100
6.25		99/100	89/100	98/100	92/100
12.5		96/100	99/100	95/100	100/100
25		97/100	90/100	84/100	97/100
50		91/100	98/100	91/100	89/100
100		87/100	90/100	93/100	80/100

CETIS Analytical Report

Report Date: 25 Jan-17 15:09 (p 1 of 2)
Test Code: VCF0117.015uf | 07-1639-0130

Purple Sea Urchin Sperm Cell Fertilization Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	10-0945-8890	Endpoint:	Fertilization Rate	CETIS Version:	CETISv1.9.2
Analyzed:	25 Jan-17 15:08	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes
Batch ID:	14-2366-3156	Test Type:	Fertilization	Analyst:	Joe Freas
Start Date:	05 Jan-17 13:36	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	05 Jan-17 14:16	Species:	Strongylocentrotus purpuratus	Brine:	Not Applicable
Duration:	40m	Source:	David Guttoff	Age:	
Sample ID:	01-0109-3223	Code:	VCF0117.015u	Client:	VCWPD
Sample Date:	05 Jan-17 09:30	Material:	Sample Water	Project:	2016/17-4(Wet)
Receipt Date:	05 Jan-17 11:11	Source:	Bioassay Report		
Sample Age:	4h (12.6 °C)	Station:	ME-SCR		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.61%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Negative Control		6.25	-0.3724	2.407	0.154	6	CDF	0.9198	Non-Significant Effect
		12.5	-1.503	2.407	0.154	6	CDF	0.9959	Non-Significant Effect
		25	0.4641	2.407	0.154	6	CDF	0.6630	Non-Significant Effect
		50	0.495	2.407	0.154	6	CDF	0.6497	Non-Significant Effect
		100	1.792	2.407	0.154	6	CDF	0.1469	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9425	0.7	>>	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0976827	0.0195365	5	2.376	0.0802	Non-Significant Effect
Error	0.147988	0.0082216	18			
Total	0.245671		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	3.895	15.09	0.5646	Equal Variances
Variances	Levene Equality of Variance Test	2.319	4.248	0.0860	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.504	4.248	0.2379	Equal Variances
Distribution	Anderson-Darling A2 Normality Test	0.4583	3.878	0.2680	Normal Distribution
Distribution	D'Agostino Kurtosis Test	1.8	2.576	0.0718	Normal Distribution
Distribution	D'Agostino Skewness Test	0.05113	2.576	0.9592	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus Test	3.243	9.21	0.1976	Normal Distribution
Distribution	Kolmogorov-Smirnov D Test	0.1326	0.2056	0.3335	Normal Distribution
Distribution	Shapiro-Wilk W Normality Test	0.9529	0.884	0.3133	Normal Distribution

Fertilization Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	0.9425	0.9186	0.9664	0.9400	0.9300	0.9600	0.0075	1.59%	0.00%
6.25		4	0.9450	0.8687	1.0000	0.9500	0.8900	0.9900	0.0240	5.07%	-0.27%
12.5		4	0.9750	0.9371	1.0000	0.9750	0.9500	1.0000	0.0119	2.44%	-3.45%
25		4	0.9200	0.8202	1.0000	0.9350	0.8400	0.9700	0.0314	6.82%	2.39%
50		4	0.9225	0.8597	0.9853	0.9100	0.8900	0.9800	0.0197	4.28%	2.12%
100		4	0.8750	0.7864	0.9636	0.8850	0.8000	0.9300	0.0278	6.36%	7.16%

CETIS Analytical Report

Report Date: 25 Jan-17 15:09 (p 2 of 2)
Test Code: VCF0117.015uf | 07-1639-0130

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-0945-8890 Endpoint: Fertilization Rate
Analyzed: 25 Jan-17 15:08 Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.9.2
Official Results: Yes

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	N	4	1.33	1.278	1.383	1.324	1.303	1.369	0.01644	2.47%	0.00%
6.25		4	1.354	1.173	1.535	1.356	1.233	1.471	0.05687	8.40%	-1.80%
12.5		4	1.427	1.294	1.559	1.42	1.345	1.521	0.04152	5.82%	-7.24%
25		4	1.3	1.114	1.487	1.323	1.159	1.397	0.05853	9.00%	2.24%
50		4	1.298	1.158	1.439	1.266	1.233	1.429	0.04419	6.81%	2.39%
100		4	1.215	1.083	1.348	1.225	1.107	1.303	0.04154	6.84%	8.64%

Fertilization Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9300	0.9500	0.9300	0.9600
6.25		0.9900	0.8900	0.9800	0.9200
12.5		0.9600	0.9900	0.9500	1.0000
25		0.9700	0.9000	0.8400	0.9700
50		0.9100	0.9800	0.9100	0.8900
100		0.8700	0.9000	0.9300	0.8000

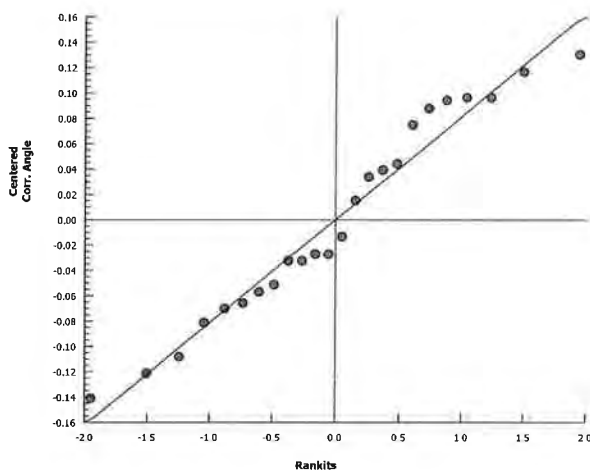
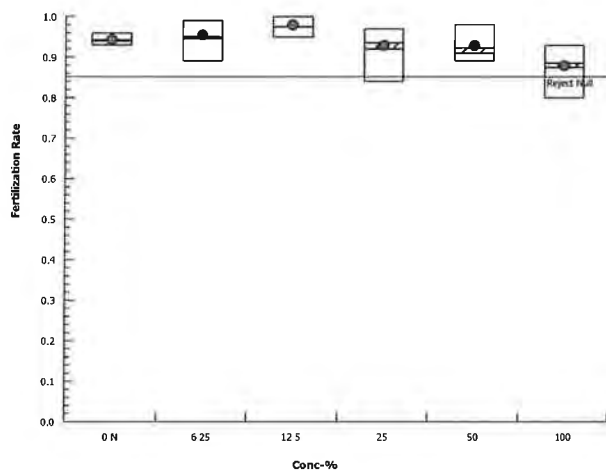
Angular (Corrected) Transformed Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	1.303	1.345	1.303	1.369
6.25		1.471	1.233	1.429	1.284
12.5		1.369	1.471	1.345	1.521
25		1.397	1.249	1.159	1.397
50		1.266	1.429	1.266	1.233
100		1.202	1.249	1.303	1.107

Fertilization Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	93/100	95/100	93/100	96/100
6.25		99/100	89/100	98/100	92/100
12.5		96/100	99/100	95/100	100/100
25		97/100	90/100	84/100	97/100
50		91/100	98/100	91/100	89/100
100		87/100	90/100	93/100	80/100

Graphics



CETIS Analytical Report

Report Date: 25 Jan-17 15:09 (p 1 of 2)
Test Code: VCF0117.015uf | 07-1639-0130

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-9579-2574	Endpoint: Fertilization Rate	CETIS Version: CETISv1.9.2
Analyzed: 25 Jan-17 15:09	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 14-2366-3156	Test Type: Fertilization	Analyst: Joe Freas
Start Date: 05 Jan-17 13:36	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 05 Jan-17 14:16	Species: Strongylocentrotus purpuratus	Brine: Not Applicable
Duration: 40m	Source: David Guttoff	Age:
Sample ID: 01-0109-3223	Code: VCF0117.015u	Client: VCWPD
Sample Date: 05 Jan-17 09:30	Material: Sample Water	Project: 2016/17-4(Wet)
Receipt Date: 05 Jan-17 11:11	Source: Bioassay Report	
Sample Age: 4h (12.6 °C)	Station: ME-SCR	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

TAC Limits

Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	0.9425	0.7	>>	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	65.99	n/a	n/a	1.515	n/a	n/a
EC10	>100	n/a	n/a	<1	n/a	n/a
EC15	>100	n/a	n/a	<1	n/a	n/a
EC20	>100	n/a	n/a	<1	n/a	n/a
EC25	>100	n/a	n/a	<1	n/a	n/a
EC40	>100	n/a	n/a	<1	n/a	n/a
EC50	>100	n/a	n/a	<1	n/a	n/a

Fertilization Rate Summary

Calculated Variate(A/B)

Conc-%	Code	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	N	4	0.9425	0.9300	0.9600	0.0075	0.0150	1.59%	0.0%	377	400
6.25		4	0.9450	0.8900	0.9900	0.0240	0.0480	5.08%	-0.27%	378	400
12.5		4	0.9750	0.9500	1.0000	0.0119	0.0238	2.44%	-3.45%	390	400
25		4	0.9200	0.8400	0.9700	0.0314	0.0627	6.82%	2.39%	368	400
50		4	0.9225	0.8900	0.9800	0.0197	0.0395	4.28%	2.12%	369	400
100		4	0.8750	0.8000	0.9300	0.0278	0.0557	6.36%	7.16%	350	400

Fertilization Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	0.9300	0.9500	0.9300	0.9600
6.25		0.9900	0.8900	0.9800	0.9200
12.5		0.9600	0.9900	0.9500	1.0000
25		0.9700	0.9000	0.8400	0.9700
50		0.9100	0.9800	0.9100	0.8900
100		0.8700	0.9000	0.9300	0.8000

Fertilization Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	N	93/100	95/100	93/100	96/100
6.25		99/100	89/100	98/100	92/100
12.5		96/100	99/100	95/100	100/100
25		97/100	90/100	84/100	97/100
50		91/100	98/100	91/100	89/100
100		87/100	90/100	93/100	80/100

CETIS Analytical Report

Report Date: 25 Jan-17 15:09 (p 2 of 2)
Test Code: VCF0117.015uf | 07-1639-0130

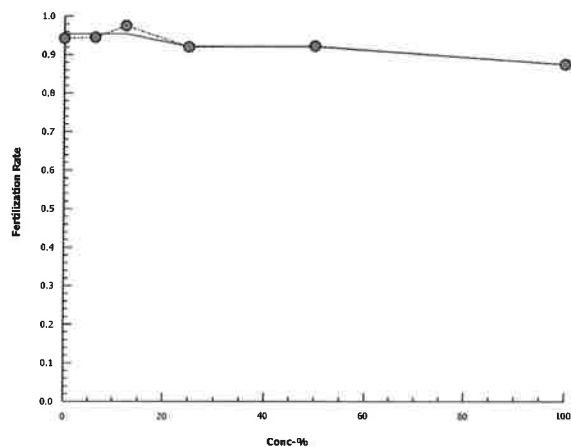
Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-9579-2574 Endpoint: Fertilization Rate
Analyzed: 25 Jan-17 15:09 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.9.2
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 25 Jan-17 15:09 (p 1 of 2)
Test Code: VCF0117.015uf | 07-1639-0130

Purple Sea Urchin Sperm Cell Fertilization Test				Aquatic Bioassay & Consulting Labs, Inc.	
Batch ID:	14-2366-3156	Test Type:	Fertilization	Analyst:	Joe Freas
Start Date:	05 Jan-17 13:36	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	05 Jan-17 14:16	Species:	Strongylocentrotus purpuratus	Brine:	Not Applicable
Duration:	40m	Source:	David Gutoff	Age:	
Sample ID:	01-0109-3223	Code:	VCF0117.015u	Client:	VCWPD
Sample Date:	05 Jan-17 09:30	Material:	Sample Water	Project:	2016/17-4(Wet)
Receipt Date:	05 Jan-17 11:11	Source:	Bioassay Report		
Sample Age:	4h (12.6 °C)	Station:	ME-SCR		

Parameter Acceptability Criteria			TAC Limits		Overlap	Decision
Parameter	Min	Max	Lower	Upper		
Salinity	34	34	32	36	Yes	Passes Criteria
Temperature	14.8	14.9	11	13	Yes	Above Criteria

Dissolved Oxygen-mg/L											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	2	6.4	1.318	11.48	6	6.8	0.4	0.5657	8.84%	0
6.25		2	6.5	3.959	9.041	6.3	6.7	0.2	0.2828	4.35%	0
12.5		2	6.45	2.003	10.9	6.1	6.8	0.35	0.495	7.67%	0
25		2	6.7	4.159	9.241	6.5	6.9	0.2	0.2828	4.22%	0
50		2	6.4	3.859	8.941	6.2	6.6	0.2	0.2828	4.42%	0
100		2	6.55	4.644	8.456	6.4	6.7	0.15	0.2121	3.24%	0
Overall		12	6.5	6.31	6.69	6	6.9	0.08616	0.2985	4.59%	0 (0%)

pH-Units											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
6.25		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
12.5		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
25		2	7.85	7.215	8.485	7.8	7.9	0.05	0.07071	0.9%	0
50		2	7.8	7.787	7.813	7.8	7.8	0	0	0.0%	0
100		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
Overall		12	7.85	7.807	7.893	7.7	7.9	0.01946	0.06742	0.86%	0 (0%)

Salinity-ppt											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	2	34	34	34	34	34	0	0	0.0%	0
6.25		2	34	34	34	34	34	0	0	0.0%	0
12.5		2	34	34	34	34	34	0	0	0.0%	0
25		2	34	34	34	34	34	0	0	0.0%	0
50		2	34	34	34	34	34	0	0	0.0%	0
100		2	34	34	34	34	34	0	0	0.0%	0
Overall		12	34	34	34	34	34	0	0	0.00%	0 (0%)

Temperature-°C											
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	N	2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
6.25		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
12.5		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
25		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
50		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
100		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
Overall		12	14.85	14.82	14.88	14.8	14.9	0.01508	0.05222	0.35%	0 (0%)

CETIS Measurement Report

Report Date: 25 Jan-17 15:09 (p 2 of 2)
Test Code: VCF0117.015uf | 07-1639-0130

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

Conc-%	Code	1	2
0	N	6.8	6
6.25		6.7	6.3
12.5		6.8	6.1
25		6.9	6.5
50		6.6	6.2
100		6.7	6.4

pH-Units

Conc-%	Code	1	2
0	N	7.9	7.9
6.25		7.9	7.9
12.5		7.9	7.9
25		7.8	7.9
50		7.8	7.8
100		7.8	7.7

Salinity-ppt

Conc-%	Code	1	2
0	N	34	34
6.25		34	34
12.5		34	34
25		34	34
50		34	34
100		34	34

Temperature-°C

Conc-%	Code	1	2
0	N	14.9	14.8
6.25		14.9	14.8
12.5		14.9	14.8
25		14.9	14.8
50		14.9	14.8
100		14.9	14.8

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Side 1 of 1

Sampling Date: 1-5-17

Project Number: 2016/17-3 (Wet)

Sampling Team: W.B. CAREY & L. MEEKER

[illegible]

Relinquished

Printed Name

Lara Meeker

Signature

Jan Mu

Affiliation

WPD

Date/Time


15117 11-11

Received

Printed Name

Wendy Willis

Signature



Affiliation

ABC Labs

Date/Time

01/05/17 111

Other Notes:

Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%

Note 3: Notify District within 24 hours if significant toxicity is observed.

Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*

Appendix J. Dry-Weather Analytical Monitoring Results

	Site ID	Port Hueneme-3	Unincorporated-2	Camarillo-4	Fillmore-1
		DRY-HUE3	DRY-UNI2	DRY-CAM4	MO-FIL
	At Major Outfall?	No	No	No	Yes
	Location	Bubbling Springs @ RR xing	MCW-12 Medea Creek @ Tamarind	West Tributary Somis Drain	North Fillmore Drain
	Date	08/03/17	08/03/17	08/03/17	08/02/17
	Time	14:20	12:40	9:15	9:45
Site Description	Conveyence Type	Natural channel	Natural channel	Trapezoidal channel	Box culvert
	Dimensions	N/A	N/A	N/A	N/A
	Dominant Land Use	Commercial & residential	Residential & rural	Residential, industrial & commercial	Residential
	Site Elevation	10	1000	150	430
Weather	Weather	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
	Wind Condition	Slight breeze	Slight breeze	Calm	Calm
	Air Temp. (C)	31.1	35.6	28	27.2
Trash	Trash (general area)	None	Light	None	Light
	Trash (stream banks)	Light	None	High	Light
Observations	Water Clarity	Clear	Clear	Clear	Clear
	Water Color	Green	Clear	Clear	Clear
	Odors	None	None	None	None
	Floatables	Garbage	Sheen	None	None
	Foam	None	None	1% sparse, thin, white, <0.01' high	None
	Stains/ deposits	None	White (mineralization?) above water line	Pink/orange	None
	Structural condition	Natural channel	Rip-rap with natural bottom	Concrete channel	Rip rap with concrete bottom to natural bottom
	Vegetation Condition	Maintained grass/park	Somw new willow growth on edges	Some reeds and grasses in channel seams	Recently cleared, sparse herbaceous plants
	Biology	>100 ducks in/near water, 100s of <1" long fish	Louisiana crayfish*	Aquatic snails	Aquatic snails
	Algae (suspended)	microalgae	Greenish-brown 70%	Green 5%	None
	Algae (substrate)	None	Greenish-brown 100%	Green 70%	Green 5%
Water Chemistry (Field)	Dissolved Oxygen (%)	83.6	64.6	153.4	163.1
	Dissolved Oxygen (mg/L)	6.72	4.93	12.04	13.69
	Conductivity (µS)	9010	3698	2873	1120
	Specific Conductance (µS)	8380	3382	2726	1104
	Salinity (ppt)	4.6	1.8	1.4	0.5
	Water Temp. (C)	27.5	29.5	26.9	24.7
	Water Temp. (F)	81.5	85.1	80.4	76.5
	pH	7.42	7.26	8.26	8.34
	Turbidity (NTU)	47.10	4.95	2.82	1.52
Water Chemistry (Lab)	Total Organic Carbon (mg/L) ¹	7.9	8.6	20	4.1
	Total Hardness as CaCO ₃ (mg/L)	1,540	1,150	653	540
	Total Calcium (mg/L)	291	216	181	147
	Total Magnesium (mg/L)	197	149	49.0	42.3
	Dissolved Copper (µg/L)	<0.13	0.25 (DNQ)	7.9	7.0
	Dissolved Lead (µg/L)	<0.031	<0.031	0.12 (DNQ)	0.070 (DNQ)
	Dissolved Zinc (µg/L)	<0.94	1.1 (DNQ)	4.3 (DNQ)	23
	Total Coliform (MPN/100 mL)	129,970	12,997	461,100	74
Estimated Flow	<i>E. coli</i> (MPN/100 mL)	14,136	<10	4,884	<10
	Flow Status	Ponded	Flowing	Flowing	Flowing
	Water Width (ft.)	20.0	3.0	6.0	2.0
	Water Depth (ft.)	1-2	0.30	0.01	0.10
	Flow Velocity (ft/s)	<0.001	<0.01	0.50	0.30
	Flow Rate (ft ³ /s)	~ 0	<0.01	0.03	0.06
	Comments		MRCA ² staff/volunteers catching ~1000/day, 5-6 days/wk for the last few years. Use traps with dog food or crayfish food (more recent) as bait.		

	Site ID	Moorpark-1	Ojai-6	Oxnard-2	Santa Paula-4
		MO-MPK	DRY-OJA6	DRY-OXN2	DRY-SPA4
	At Major Outfall?	Yes	No	No	No
	Location	Walnut Canyon	Tributary to Fox Barranca	Stroube Drain	Richmond Rd Drain
	Date	08/03/17	08/02/17	08/03/17	08/02/17
	Time	10:20	11:20	8:00	8:50
Site Description	Conveyence Type	Box culvert	Natural channel	Natural channel	Epoxy coated metal pipe
	Dimensions	5' x 12'	N/A	N/A	1'6"
	Dominant Land Use	Commercial & residential	Residential	Commercial & residential	Residential
	Site Elevation	460	730	70	343
Weather	Weather	Partly cloudy	Overcast	Partly cloudy	Overcast
	Wind Condition	Slight breeze	Calm	Calm	Calm
	Air Temp. (C)	30.5	24.4	23.6	27.3
Trash	Trash (general area)	None	None	Light	None
	Trash (stream banks)	Light	Light	Light	None
Observations	Water Clarity	Clear	Clear	Clear	Clear
	Water Color	Yellow	Clear	Clear	Clear
	Odors	None	None	None	None
	Floatables	None	None	None	None
	Foam	None	None	<1% sparse, thin, white, <0.01' high	None
	Stains/ deposits	None	None	None	None
	Structural condition	Concrete channel	Natural channel	Concrete channel to rip rap	Pipe to concreted rip rap
	Vegetation Condition	None	Some vines including blackberry, poison oak	Dense herbaceous - watercress	Herbaceous growth and mulefat
	Biology	None	Water striders	Snails on streambed. Flies on algae	None
	Algae (suspended)	None	None	Green 40%	None
	Algae (substrate)	None	Green <1%	Green 40%	Green 40%
Water Chemistry (Field)	Dissolved Oxygen (%)	119.5	83.8	63.5	94.7
	Dissolved Oxygen (mg/L)	9.21	7.25	5.60	8.26
	Conductivity (µS)	2202	1369	1051	1680
	Specific Conductance (µS)	2062	1180	1132	1774
	Salinity (ppt)	1.0	0.5	0.6	0.9
	Water Temp. (C)	28.3	22.2	21.3	22.7
	Water Temp. (F)	82.9	72.0	70.3	72.9
	pH	8.80	7.8	8.01	7.77
	Turbidity (NTU)	3.62	1.09	1.64	0.09
Water Chemistry (Lab)	Total Organic Carbon (mg/L) ¹	30	3.2	9.3	1.6
	Total Hardness as CaCO ₃ (mg/L)	281	634	466	771
	Total Calcium (mg/L)	74.8	174	122	212
	Total Magnesium (mg/L)	22.9	48.3	39.3	58.6
	Dissolved Copper (µg/L)	7.8	0.32 (DNQ)	3.4	0.30 (DNQ)
	Dissolved Lead (µg/L)	0.070 (DNQ)	<0.031	<0.031	<0.031
	Dissolved Zinc (µg/L)	2.8 (DNQ)	<0.94	6.6	<0.94
	Total Coliform (MPN/100 mL)	579,400	1,720	198,630	2,382
	<i>E. coli</i> (MPN/100 mL)	11,199	122	422	<10
Estimated Flow	Flow Status	Flowing	Flowing	Flowing	Flowing
	Water Width (ft.)	3.5	4.0	8.0	1.0
	Water Depth (ft.)	0.03	0.30	0.10	0.10
	Flow Velocity (ft/s)	1.00	0.10	0.10	3.00
	Flow Rate (ft ³ /s)	0.10	0.12	0.08	0.30
	Comments	pH#1 8.78, pH#2 8.81			

	Site ID	Simi Valley-1	Thousand Oaks-1	Ventura-5
		MO-SIM	MO-THO	DRY-VEN5
	At Major Outfall?	Yes	Yes	No
	Location	Bus Canyon Drain	North Fork Arroyo Concejo at Hill Canyon WWTP	Dent Drain
	Date	08/03/17	08/03/17	08/02/17
	Time	10:55	11:40	13:15
Site Description	Conveyence Type	Box culvert	Natural channel	Natural channel
	Dimensions	7' x 16'	N/A	7.5' x 20'(toe) x 35'(top)
	Dominant Land Use	Commercial & residential	Commercial, residential & rural	Residential & rural
	Site Elevation	760	280	60
Weather	Weather	Partly cloudy	Partly cloudy	Partly cloudy
	Wind Condition	Calm	Calm	Slight breeze
	Air Temp. (C)	31.7	31.4	32
Trash	Trash (general area)	High	None	Light
	Trash (stream banks)	High	None	None
Observations	Water Clarity	Clear	Clear	Clear
	Water Color	Clear	Clear	Clear
	Odors	None	None	None
	Floatables	None	None	Oily sheen
	Foam	None	None	None
	Stains/ deposits	None	None	None
	Structural condition	Concrete channel	Rip-rap with natural bottom	Flap gate RCP to natural channel
	Vegetation Condition	Small number grasses/reads in sediment	Willows and herbaceous growth at water's edge	Abundant river primrose
	Biology	None	None	None
	Algae (suspended)	Green 20%	None	None
	Algae (substrate)	Green 70%	None	None
Water Chemistry (Field)	Dissolved Oxygen (%)	187.4	98.2	6.5
	Dissolved Oxygen (mg/L)	15.34	7.75	0.69
	Conductivity (µS)	1636	1432	979
	Specific Conductance (µS)	1628	1707	1060
	Salinity (ppt)	0.8	0.9	0.5
	Water Temp. (C)	25.3	24.7	21.8
	Water Temp. (F)	77.5	76.5	71.2
	pH	8.17	8.05	7.25
	Turbidity (NTU)	1.75	0.81	14.63
Water Chemistry (Lab)	Total Organic Carbon (mg/L) ¹	3.3	6.7	18
	Total Hardness as CaCO ₃ (mg/L)	1,090	261	349
	Total Calcium (mg/L)	273	47.3	88.0
	Total Magnesium (mg/L)	98.8	34.6	31.4
	Dissolved Copper (µg/L)	0.56	1.5	5.0
	Dissolved Lead (µg/L)	<0.031	0.040 (DNQ)	0.12 (DNQ)
	Dissolved Zinc (µg/L)	<0.94	32	15
	Total Coliform (MPN/100 mL)	141,360	48,840	>2,419,600
Estimated Flow	<i>E. coli</i> (MPN/100 mL)	181	31	5,475
	Flow Status	Flowing	Flowing	Ponded
	Water Width (ft.)	5.0	15.0	15.0
	Water Depth (ft.)	0.05	1.00	1.00
	Flow Velocity (ft/s)	2.00	<0.01	~0
	Flow Rate (ft ³ /s)	0.50	~0	<0.01
	Comments			Ventura drains very dry. Collected from mostly ponded area below flapgate

Appendix K. Formulas for WQO determination

BASIN PLAN and CALIFORNIA TOXICS RULE OBJECTIVES: FORMULAS

AMMONIA (BASIN PLAN)

Basin Plan Ammonia Objective formula selection is based on wet or dry event, COLD/MIGR designation status, early life stages (ELS) status, and salinity.

See the flow charts below to determine which formula to use:

Basin Plan NH3-N Objectives for Wet Weather

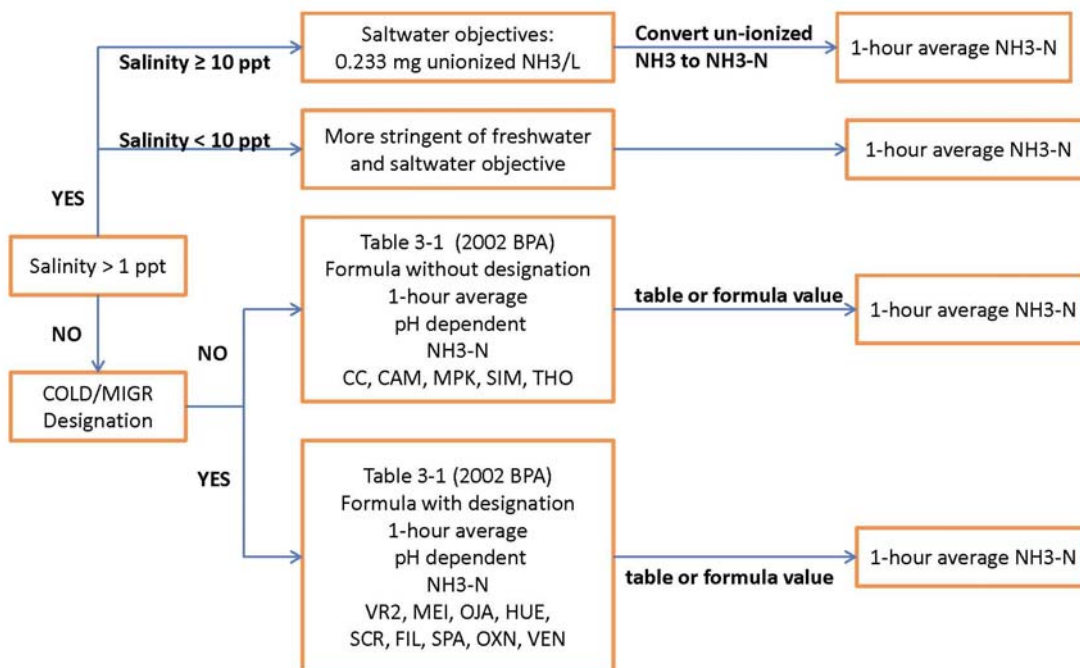


Table 3-1: One hour Average Objective for Ammonia-N for Freshwaters (mg N/L)

COLD and/or MIGR:

$$= \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$$

NOT COLD and/or MIGR:

$$= \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

Saltwater 1-hour objective for Ammonia-N

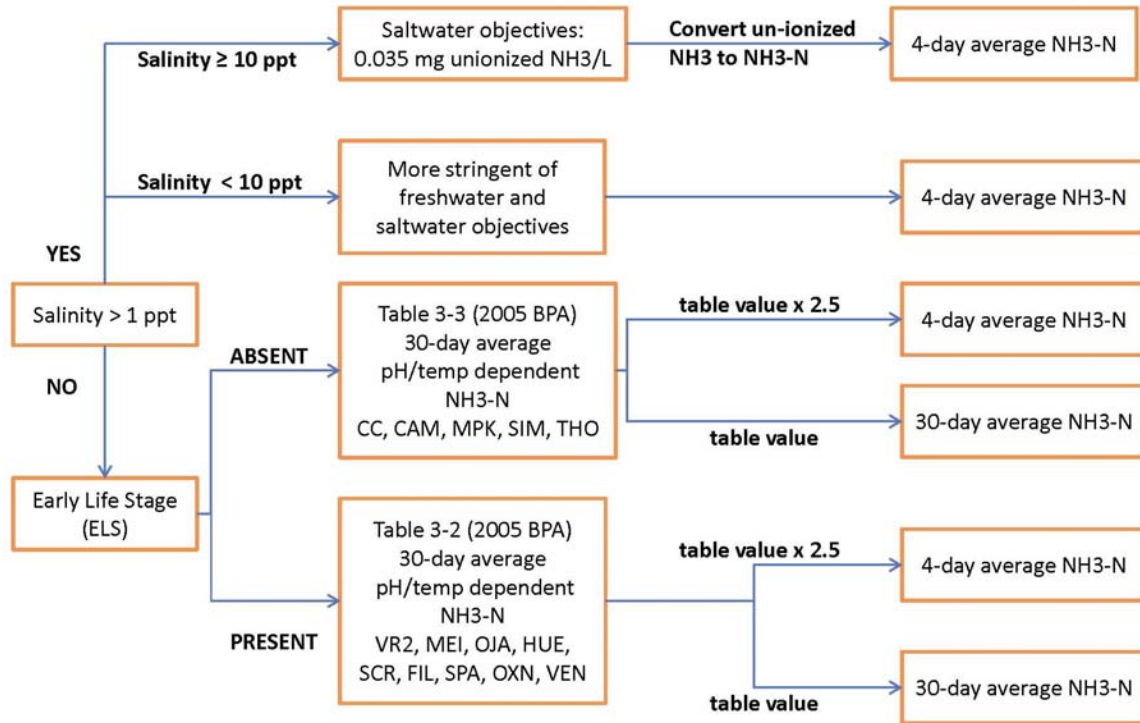
$$= 0.233 * \left(1 + 10^{\left[\left(9.245 + 0.116 * \frac{19.9273 * S}{1000 - 1.005109 * S}\right) + 0.0324(298 - T) + \frac{(0.0415)P}{T} - pH\right]}\right)$$

Where T= temperature expressed in °K (Note: Kelvin = Celsius + 273)

S = salinity (ppt)

P = pressure (assumed to be 1 atm)

Basin Plan NH3-N Objectives for Dry Weather



BPA 2005 p15-11 "Implementation actions to achieve applicable ammonia objectives must implement downstream objectives."
 NH3-N = NH3 x 0.822 4 day average objective = 2.5 x 30-day average objective

Table 3-2: 30-Day Average Objective for Ammonia-N for Freshwaters Applicable to Waters Subject to the “Early Life Stage Present” Condition (mg N/L)

$$= \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028 * (25 - T)})$$

Where T= temperature expressed in °C.

Highest four-day average within the 30-day period shall not exceed 2.5 times the 30-day average objective as calculated above.

Table 3-3: 30-Day Average Objective for Ammonia-N for Freshwaters Applicable to Waters Subject to the “Early Life Stage Absent” Condition (mg N/L)

$$= \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$$

Where T= temperature expressed in °C.

Highest four-day average within the 30-day period shall not exceed 2.5 times the 30-day average objective as calculated above.

Saltwater 4-day objective for Ammonia-N

$$= 0.035 * (1 + 10^{\left[\left(9.245 + 0.116 * \frac{19.9273 * S}{1000 - 1.005109 * S} \right) + 0.0324(298 - T) + \frac{(0.0415)P}{T} - pH \right]})$$

Where T= temperature expressed in °K (Note: Kelvin = Celsius + 273)

S = salinity (ppt)

P = pressure (assumed to be 1 atm)

PENTACHLOROPHENOL (CTR)

$$CMC = \exp(1.005(pH) - 4.869)$$

$$CCC = \exp(1.005(pH) - 5.134)$$

METALS (CTR)

[cadmium, chromium, copper, lead, nickel, silver, zinc]

$$CMC = WER * (Acute\ Conversion\ Factor) * (\exp\{m_A[\ln(hardness)] + b_A\})$$

$$CCC = WER * (Chronic\ Conversion\ Factor) * (\exp\{m_C[\ln(hardness)] + b_C\})$$

Note1: CCC formula contains error in CTR (says “Acute” not “Chronic” for Conversion Factor).

Note2: see note to Table 2 of Paragraph (b)(2) in the CTR, “The term conversion factor represents the recommended conversion factor for converting a metal criterion expressed as the total recoverable fraction in the water column to a criterion expressed as the dissolved fraction in the water column.”

Note3: Conversion factors (CF) are provided as values in a table for chromium, copper, nickel, silver, and zinc. CF for cadmium and lead are calculated based on hardness, i.e.

$$Cadmium\ Acute\ CF = 1.136672 - [(\ln\{hardness\}) (0.041838)]$$

$$Cadmium\ Chronic\ CF = 1.101672 - [(\ln\{hardness\}) (0.041838)]$$

$$Lead\ Acute\ and\ Chronic\ CF = 1.46203 - [(\ln\{hardness\}) (0.145712)]$$

Note4: Only two WER in Ventura County and no stations discharge within the applicable reaches - Lower Calleguas Creek (Reach 2 which is Portrero Rd south to Mugu Lagoon) has a WER for copper of 3.69 and Mugu Lagoon copper WER is 1.51.

5ddYbXl '@!': YW'7c`Zcfa FYdcfhb['7cffWjcb'8UU

Site ID	Event ID	Event Type	Sample Date	Sign	Result (MPN/100 mL)
ME-CC	2010/11-1	Wet	10/6/2010	=	16000
ME-CC	2010/11-2	Wet	10/30/2010	=	24000
ME-CC	2010/11-4	Wet	2/16/2011	=	5000
ME-CC	2011/12-1	Wet	10/5/2011	=	9000
ME-CC	2011/12-2	Wet	1/21/2012	=	5000
ME-CC	2012/13-2	Wet	11/17/2012	=	16000
ME-CC	2012/13-3	Wet	2/19/2013	=	2400
ME-CC	2013/14-2	Wet	2/6/2014	=	8000
ME-CC	2013/14-3	Wet	2/27/2014	=	5000
ME-CC	2014/15-1	Wet	11/1/2014	=	130000
ME-CC	2014/15-3	Wet	12/12/2014	=	540000
ME-CC	2014/15-6	Dry	7/7/2015	=	8000
ME-CC	2015/16-1	Wet	9/15/2015	=	160000
ME-CC	2015/16-2	Wet	1/5/2016	=	14000
ME-CC	2015/16-3	Wet	1/31/2016	>	16000
ME-CC	2016/17-1	Wet	10/28/2016	=	790
ME-CC	2016/17-2	Wet	11/20/2016	=	24000
ME-CC	2016/17-3	Wet	12/15/2016	>	16000
ME-SCR	2010/11-2	Wet	10/30/2010	=	500
ME-SCR	2010/11-4	Wet	2/16/2011	=	1700
ME-SCR	2011/12-1	Wet	10/5/2011	=	2400
ME-SCR	2012/13-2	Wet	11/17/2012	=	700
ME-SCR	2013/14-2	Wet	2/6/2014	=	1700
ME-SCR	2013/14-3	Wet	2/27/2014	=	5000
ME-SCR	2014/15-3	Wet	12/12/2014	=	110000
ME-SCR	2014/15-4	Wet	4/7/2015	>	1600000
ME-SCR	2014/15-6	Dry	7/1/2015	=	13000
ME-SCR	2015/16-2	Wet	1/6/2016	>	1600000
ME-SCR	2015/16-4	Wet	3/6/2016	=	1600
ME-SCR	2016/17-4	Wet	1/5/2017	=	1400
ME-SCR	2016/17-5	Wet	1/19/2017	=	3000
ME-VR2	2010/11-1	Wet	10/6/2010	=	500
ME-VR2	2010/11-2	Wet	10/30/2010	=	5000
ME-VR2	2010/11-4	Wet	2/16/2011	=	900
ME-VR2	2011/12-1	Wet	10/5/2011	=	2400
ME-VR2	2011/12-2	Wet	1/21/2012	=	500
ME-VR2	2011/12-3	Wet	3/17/2012	=	5000
ME-VR2	2012/13-2	Wet	11/17/2012	=	1600
ME-VR2	2012/13-4	Wet	3/8/2013	=	900
ME-VR2	2013/14-2	Wet	2/6/2014	=	800
ME-VR2	2013/14-3	Wet	2/27/2014	=	90000
ME-VR2	2014/15-1	Wet	11/1/2014	=	13000
ME-VR2	2014/15-2	Wet	12/2/2014	=	1400
ME-VR2	2014/15-3	Wet	12/12/2014	=	79000
ME-VR2	2014/15-4	Wet	4/7/2015	>	1600000
ME-VR2	2014/15-6	Dry	6/23/2015	=	1600
ME-VR2	2015/16-1	Wet	9/15/2015	=	8000
ME-VR2	2015/16-2	Wet	1/5/2016	=	13000
ME-VR2	2015/16-3	Wet	1/31/2016	>	16000
ME-VR2	2015/16-4	Wet	3/6/2016	=	17000
ME-VR2	2016/17-1	Wet	10/28/2016	=	140000
ME-VR2	2016/17-2	Wet	11/20/2016	=	790
ME-VR2	2016/17-3	Wet	12/15/2016	=	2400

Site ID	Event ID	Event Type	Sample Date	Sign	Result (MPN/100 mL)
ME-VR2	2016/17-5	Wet	1/19/2017	=	17000
MO-CAM	2010/11-1	Wet	10/6/2010	=	46000
MO-CAM	2010/11-2	Wet	10/30/2010	=	30000
MO-CAM	2010/11-4	Wet	2/16/2011	=	5000
MO-CAM	2010/11-5	Dry	4/28/2011	=	460
MO-CAM	2011/12-1	Wet	10/5/2011	=	24000
MO-CAM	2011/12-2	Wet	1/21/2012	=	16000
MO-CAM	2011/12-3	Wet	3/17/2012	=	90000
MO-CAM	2012/13-2	Wet	11/17/2012	=	17000
MO-CAM	2012/13-4	Wet	3/7/2013	=	9000
MO-CAM	2012/13-5	Dry	5/23/2013	=	1100
MO-CAM	2013/14-1	Wet	12/7/2013	=	24000
MO-CAM	2013/14-2	Wet	2/6/2014	=	50000
MO-CAM	2013/14-3	Wet	2/27/2014	=	50000
MO-CAM	2013/14-4	Dry	4/25/2014	=	3000
MO-CAM	2014/15-1	Wet	11/1/2014	=	13000
MO-CAM	2014/15-3	Wet	12/12/2014	=	350000
MO-CAM	2014/15-6	Dry	7/7/2015	=	50000
MO-CAM	2015/16-1	Wet	9/15/2015	=	50000
MO-CAM	2015/16-2	Wet	1/5/2016	=	11000
MO-CAM	2015/16-3	Wet	1/31/2016	=	4300
MO-CAM	2016/17-2	Wet	11/20/2016	=	210000
MO-CAM	2016/17-3	Wet	12/15/2016	=	16000
MO-CAM	2016/17-5	Wet	1/19/2017	=	3000
MO-FIL	2010/11-1	Wet	10/6/2010	=	30000
MO-FIL	2010/11-2	Wet	10/30/2010	=	24000
MO-FIL	2010/11-4	Wet	2/16/2011	=	3000
MO-FIL	2010/11-5	Dry	4/28/2011	=	3000
MO-FIL	2011/12-1	Wet	10/5/2011	=	17000
MO-FIL	2011/12-3	Wet	3/17/2012	=	5000
MO-FIL	2011/12-4	Dry	5/22/2012	=	500
MO-FIL	2012/13-2	Wet	11/17/2012	=	30000
MO-FIL	2012/13-4	Wet	3/7/2013	=	30000
MO-FIL	2013/14-1	Wet	12/7/2013	=	17000
MO-FIL	2013/14-2	Wet	2/6/2014	=	50000
MO-FIL	2013/14-3	Wet	2/27/2014	=	17000
MO-FIL	2013/14-4	Dry	4/23/2014	=	2200
MO-FIL	2014/15-1	Wet	10/31/2014	=	110000
MO-FIL	2014/15-2	Wet	12/2/2014	=	33000
MO-FIL	2014/15-3	Wet	12/12/2014	=	280000
MO-FIL	2015/16-1	Wet	9/15/2015	=	50000
MO-FIL	2015/16-2	Wet	1/5/2016	=	3000
MO-FIL	2015/16-3	Wet	1/31/2016	=	9200
MO-FIL	2015/16-5	Dry	6/21/2016	=	17000
MO-FIL	2016/17-1	Wet	10/28/2016	=	540000
MO-FIL	2016/17-2	Wet	11/20/2016	=	92000
MO-FIL	2016/17-3	Wet	12/15/2016	=	92000
MO-FIL	2016/17-6	Dry	5/4/2017	=	4600
MO-HUE	2010/11-1	Wet	10/6/2010	=	24000
MO-HUE	2010/11-2	Wet	10/30/2010	=	9000
MO-HUE	2010/11-4	Wet	2/16/2011	=	2400
MO-HUE	2010/11-5	Dry	4/19/2011	=	500
MO-HUE	2011/12-1	Wet	10/5/2011	=	5200

Site ID	Event ID	Event Type	Sample Date	Sign	Result (MPN/100 mL)
MO-HUE	2011/12-2	Wet	1/21/2012	=	9000
MO-HUE	2011/12-3	Wet	3/17/2012	=	16000
MO-HUE	2011/12-4	Dry	5/24/2012	=	3000
MO-HUE	2012/13-2	Wet	11/17/2012	=	35000
MO-HUE	2012/13-3	Wet	2/19/2013	=	11000
MO-HUE	2012/13-4	Wet	3/7/2013	=	2800
MO-HUE	2012/13-5	Dry	4/30/2013	=	9000
MO-HUE	2013/14-1	Wet	12/7/2013	=	9000
MO-HUE	2013/14-2	Wet	2/6/2014	=	16000
MO-HUE	2013/14-3	Wet	2/27/2014	=	11000
MO-HUE	2013/14-4	Dry	4/30/2014	=	500000
MO-HUE	2014/15-1	Wet	11/1/2014	>	1600000
MO-HUE	2014/15-3	Wet	12/12/2014	=	350000
MO-HUE	2014/15-6	Dry	7/1/2015	>	1600000
MO-HUE	2015/16-1	Wet	9/15/2015	=	280000
MO-HUE	2015/16-2	Wet	1/5/2016	=	22000
MO-HUE	2015/16-3	Wet	1/31/2016	>	16000
MO-HUE	2015/16-4	Wet	3/6/2016	=	54000
MO-HUE	2015/16-5	Dry	6/15/2016	=	1400
MO-HUE	2016/17-2	Wet	11/20/2016	=	17000
MO-HUE	2016/17-3	Wet	12/15/2016	=	3500
MO-HUE	2016/17-5	Wet	1/19/2017	=	7000
MO-HUE	2016/17-6	Dry	5/23/2017	=	1700
MO-MEI	2010/11-1	Wet	10/6/2010	=	110000
MO-MEI	2010/11-3	Wet	11/20/2010	=	9000
MO-MEI	2010/11-4	Wet	2/16/2011	=	9000
MO-MEI	2010/11-5	Dry	4/19/2011	=	3000
MO-MEI	2011/12-1	Wet	10/5/2011	=	500000
MO-MEI	2011/12-2	Wet	1/21/2012	=	90000
MO-MEI	2011/12-3	Wet	3/17/2012	=	50000
MO-MEI	2011/12-4	Dry	4/24/2012	=	1400
MO-MEI	2012/13-2	Wet	11/17/2012	=	22000
MO-MEI	2012/13-4	Wet	3/8/2013	=	16000
MO-MEI	2013/14-1	Wet	12/7/2013	=	11000
MO-MEI	2013/14-2	Wet	2/6/2014	=	70000
MO-MEI	2013/14-3	Wet	2/27/2014	=	14000
MO-MEI	2014/15-1	Wet	11/1/2014	=	79000
MO-MEI	2014/15-2	Wet	12/2/2014	=	33000
MO-MEI	2014/15-3	Wet	12/12/2014	=	240000
MO-MEI	2014/15-4	Wet	4/7/2015	=	50000
MO-MEI	2015/16-2	Wet	1/5/2016	=	11000
MO-MEI	2015/16-3	Wet	1/31/2016	=	9200
MO-MEI	2015/16-4	Wet	3/6/2016	=	35000
MO-MEI	2016/17-1	Wet	10/28/2016	>	1600000
MO-MEI	2016/17-2	Wet	11/20/2016	=	24000
MO-MEI	2016/17-3	Wet	12/15/2016	=	35000
MO-MEI	2016/17-5	Wet	1/19/2017	=	170000
MO-MPK	2010/11-1	Wet	10/6/2010	=	30000
MO-MPK	2010/11-2	Wet	10/30/2010	=	5000
MO-MPK	2010/11-4	Wet	2/16/2011	=	3000
MO-MPK	2010/11-5	Dry	4/28/2011	=	30000
MO-MPK	2011/12-1	Wet	10/5/2011	=	900000

Site ID	Event ID	Event Type	Sample Date	Sign	Result (MPN/100 mL)
MO-MPK	2011/12-2	Wet	1/21/2012	=	50000
MO-MPK	2011/12-3	Wet	3/17/2012	=	90000
MO-MPK	2012/13-2	Wet	11/17/2012	=	16000
MO-MPK	2012/13-4	Wet	3/8/2013	=	24000
MO-MPK	2013/14-1	Wet	12/7/2013	=	7000
MO-MPK	2013/14-2	Wet	2/6/2014	=	500000
MO-MPK	2013/14-3	Wet	2/27/2014	=	17000
MO-MPK	2014/15-1	Wet	11/1/2014	=	79000
MO-MPK	2014/15-3	Wet	12/12/2014	=	7900
MO-MPK	2015/16-1	Wet	9/15/2015	=	900000
MO-MPK	2015/16-2	Wet	1/5/2016	=	50000
MO-MPK	2015/16-3	Wet	1/31/2016	=	9200
MO-MPK	2015/16-4	Wet	3/6/2016	>	16000
MO-MPK	2016/17-1	Wet	10/28/2016	=	35000
MO-MPK	2016/17-2	Wet	11/20/2016	=	160000
MO-MPK	2016/17-3	Wet	12/15/2016	>	16000
MO-MPK	2016/17-6	Dry	5/18/2017	=	35000
MO-OJA	2010/11-1	Wet	10/6/2010	=	50000
MO-OJA	2010/11-3	Wet	11/20/2010	=	17000
MO-OJA	2010/11-4	Wet	2/16/2011	=	5000
MO-OJA	2011/12-1	Wet	10/5/2011	=	160000
MO-OJA	2011/12-2	Wet	1/21/2012	=	24000
MO-OJA	2011/12-3	Wet	3/17/2012	=	30000
MO-OJA	2011/12-4	Dry	4/24/2012	=	30000
MO-OJA	2012/13-1	Wet	10/11/2012	=	9000
MO-OJA	2012/13-2	Wet	11/17/2012	=	28000
MO-OJA	2012/13-4	Wet	3/7/2013	=	170000
MO-OJA	2012/13-5	Dry	4/30/2013	=	5000
MO-OJA	2013/14-1	Wet	12/7/2013	=	50000
MO-OJA	2013/14-2	Wet	2/6/2014	=	800
MO-OJA	2013/14-3	Wet	2/27/2014	=	17000
MO-OJA	2013/14-4	Dry	4/16/2014	=	1300
MO-OJA	2014/15-1	Wet	11/1/2014	=	1600000
MO-OJA	2014/15-2	Wet	12/2/2014	=	94000
MO-OJA	2014/15-3	Wet	12/12/2014	=	920000
MO-OJA	2014/15-4	Wet	4/7/2015	>	1600000
MO-OJA	2015/16-2	Wet	1/5/2016	=	13000
MO-OJA	2015/16-3	Wet	1/31/2016	>	16000
MO-OJA	2015/16-4	Wet	3/6/2016	=	14000
MO-OJA	2016/17-1	Wet	10/28/2016	=	540000
MO-OJA	2016/17-2	Wet	11/20/2016	=	54000
MO-OJA	2016/17-3	Wet	12/15/2016	=	540000
MO-OJA	2016/17-5	Wet	1/19/2017	=	5000
MO-OJA	2016/17-6	Dry	5/23/2017	=	3500
MO-oxn	2010/11-1	Wet	10/6/2010	=	24000
MO-oxn	2010/11-2	Wet	10/30/2010	=	11000
MO-oxn	2010/11-4	Wet	2/16/2011	=	3000
MO-oxn	2011/12-1	Wet	10/5/2011	=	22000
MO-oxn	2011/12-2	Wet	1/21/2012	=	1700
MO-oxn	2011/12-3	Wet	3/17/2012	=	3000
MO-oxn	2012/13-2	Wet	11/17/2012	=	24000
MO-oxn	2012/13-4	Wet	3/7/2013	=	9000

Site ID	Event ID	Event Type	Sample Date	Sign	Result (MPN/100 mL)
MO-OXN	2013/14-1	Wet	12/7/2013	=	2400
MO-OXN	2013/14-2	Wet	2/6/2014	=	460
MO-OXN	2013/14-3	Wet	2/27/2014	=	30000
MO-OXN	2014/15-1	Wet	10/31/2014	=	33000
MO-OXN	2014/15-2	Wet	12/2/2014	=	130000
MO-OXN	2014/15-3	Wet	12/12/2014	=	240000
MO-OXN	2015/16-1	Wet	9/15/2015	=	1600000
MO-OXN	2015/16-2	Wet	1/5/2016	=	3000
MO-OXN	2015/16-3	Wet	1/31/2016	=	5400
MO-OXN	2016/17-1	Wet	10/28/2016	=	24000
MO-OXN	2016/17-3	Wet	12/15/2016	=	92000
MO-OXN	2016/17-6	Dry	5/4/2017	=	540000
MO-SIM	2010/11-1	Wet	10/6/2010	=	90000
MO-SIM	2010/11-2	Wet	10/30/2010	=	30000
MO-SIM	2010/11-4	Wet	2/16/2011	=	2400
MO-SIM	2010/11-5	Dry	4/28/2011	=	500
MO-SIM	2011/12-1	Wet	10/5/2011	=	50000
MO-SIM	2011/12-2	Wet	1/21/2012	=	60000
MO-SIM	2011/12-3	Wet	3/17/2012	=	50000
MO-SIM	2011/12-4	Dry	5/24/2012	=	3000
MO-SIM	2012/13-2	Wet	11/17/2012	=	28000
MO-SIM	2012/13-3	Wet	2/19/2013	=	28000
MO-SIM	2012/13-4	Wet	3/8/2013	=	9000
MO-SIM	2012/13-5	Dry	5/23/2013	=	900
MO-SIM	2013/14-1	Wet	12/7/2013	=	11000
MO-SIM	2013/14-2	Wet	2/6/2014	=	110000
MO-SIM	2013/14-3	Wet	2/27/2014	=	5000
MO-SIM	2014/15-1	Wet	11/1/2014	=	1600000
MO-SIM	2014/15-3	Wet	12/12/2014	=	22000
MO-SIM	2014/15-6	Dry	7/7/2015	=	110000
MO-SIM	2015/16-1	Wet	9/15/2015	=	50000
MO-SIM	2015/16-2	Wet	1/5/2016	=	5000
MO-SIM	2015/16-3	Wet	1/31/2016	=	16000
MO-SIM	2015/16-5	Dry	6/23/2016	=	2300
MO-SIM	2016/17-1	Wet	10/28/2016	=	35000
MO-SIM	2016/17-2	Wet	11/20/2016	=	4900
MO-SIM	2016/17-3	Wet	12/15/2016	=	17000
MO-SIM	2016/17-6	Dry	5/18/2017	=	2200
MO-SPA	2010/11-1	Wet	10/6/2010	=	50000
MO-SPA	2010/11-2	Wet	10/30/2010	=	50000
MO-SPA	2010/11-4	Wet	2/16/2011	=	900
MO-SPA	2010/11-5	Dry	4/28/2011	=	2400
MO-SPA	2011/12-1	Wet	10/5/2011	=	50000
MO-SPA	2011/12-2	Wet	1/21/2012	=	1600
MO-SPA	2011/12-3	Wet	3/17/2012	=	9000
MO-SPA	2012/13-2	Wet	11/17/2012	=	30000
MO-SPA	2012/13-4	Wet	3/7/2013	=	16000
MO-SPA	2013/14-1	Wet	12/7/2013	=	3000
MO-SPA	2013/14-2	Wet	2/6/2014	=	170000
MO-SPA	2013/14-3	Wet	2/27/2014	=	30000
MO-SPA	2014/15-2	Wet	12/2/2014	=	49000

Site ID	Event ID	Event Type	Sample Date	Sign	Result (MPN/100 mL)
MO-SPA	2014/15-3	Wet	12/11/2014	=	1600000
MO-SPA	2015/16-1	Wet	9/15/2015	=	350000
MO-SPA	2015/16-2	Wet	1/5/2016	=	3000
MO-SPA	2015/16-3	Wet	1/31/2016	>	16000
MO-SPA	2016/17-1	Wet	10/28/2016	=	54000
MO-SPA	2016/17-2	Wet	11/20/2016	=	110000
MO-SPA	2016/17-3	Wet	12/15/2016	=	35000
MO-THO	2010/11-1	Wet	10/6/2010	=	90000
MO-THO	2010/11-2	Wet	10/30/2010	=	24000
MO-THO	2010/11-4	Wet	2/16/2011	=	17000
MO-THO	2011/12-1	Wet	10/5/2011	=	16000
MO-THO	2011/12-2	Wet	1/21/2012	=	16000
MO-THO	2011/12-3	Wet	3/17/2012	=	9000
MO-THO	2011/12-4	Dry	5/24/2012	=	2400
MO-THO	2012/13-2	Wet	11/17/2012	=	28000
MO-THO	2012/13-3	Wet	2/19/2013	=	3000
MO-THO	2012/13-4	Wet	3/7/2013	=	460
MO-THO	2013/14-2	Wet	2/6/2014	=	160000
MO-THO	2013/14-3	Wet	2/27/2014	=	7000
MO-THO	2014/15-1	Wet	11/1/2014	=	4700
MO-THO	2014/15-3	Wet	12/12/2014	=	240000
MO-THO	2014/15-6	Dry	7/7/2015	=	1100
MO-THO	2015/16-1	Wet	9/15/2015	=	50000
MO-THO	2015/16-2	Wet	1/5/2016	=	3000
MO-THO	2015/16-3	Wet	1/31/2016	=	16000
MO-THO	2016/17-1	Wet	10/28/2016	=	47000
MO-THO	2016/17-2	Wet	11/21/2016	=	17000
MO-THO	2016/17-3	Wet	12/15/2016	=	16000
MO-VEN	2010/11-1	Wet	10/6/2010	=	30000
MO-VEN	2010/11-2	Wet	10/30/2010	=	24000
MO-VEN	2010/11-4	Wet	2/16/2011	=	1100
MO-VEN	2011/12-1	Wet	10/5/2011	=	2400
MO-VEN	2011/12-2	Wet	1/21/2012	=	16000
MO-VEN	2011/12-3	Wet	3/17/2012	=	14000
MO-VEN	2012/13-2	Wet	11/17/2012	=	24000
MO-VEN	2012/13-4	Wet	3/7/2013	=	9000
MO-VEN	2013/14-1	Wet	12/7/2013	=	30000
MO-VEN	2013/14-2	Wet	2/6/2014	=	170000
MO-VEN	2013/14-3	Wet	2/27/2014	=	3000
MO-VEN	2013/14-4	Dry	4/23/2014	=	5000
MO-VEN	2014/15-1	Wet	10/31/2014	=	7900
MO-VEN	2014/15-2	Wet	12/2/2014	=	46000
MO-VEN	2014/15-3	Wet	12/12/2014	>	1600000
MO-VEN	2015/16-1	Wet	9/15/2015	=	170000
MO-VEN	2015/16-2	Wet	1/5/2016	=	46000
MO-VEN	2015/16-3	Wet	1/31/2016	>	16000
MO-VEN	2016/17-1	Wet	10/28/2016	=	170000
MO-VEN	2016/17-2	Wet	11/21/2016	>	2300
MO-VEN	2016/17-3	Wet	12/15/2016	=	92000
MO-VEN	2016/17-5	Wet	1/19/2017	=	8000
MO-VEN	2016/17-6	Dry	5/4/2017	>	1600